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Dec. 17, 1998

#### INTRODUCTION:

Halofantrine HCl is an antimalarial drug approved by the FDA for the treatment of mild to moderate malaria caused by *Plasmodium falciparum* or *Plasmodium vivax*(1). The present study was designed to investigate the safety, tolerance and pharmacokinetics of halofantrine HCl given in multiple doses in a Phase I study as part of the overall development of halofantrine as a *prophylactic* antimalarial drug.

### **RATIONALE FOR STUDY:**

Mefloquine HCl and doxycycline hyclate are the only Department of Defense (DOD) pharmaceutical preparations currently approved for prophylaxis against chloroquineresistant Plasmodium falciparum (2). Each of these prophylactic agents has its own spectrum of side-effects that may limit its use in individual patients. In addition, changing development patterns worldwide necessitates the of additional resistance chemoprophylactic agents against this potentially deadly disease. Halofantrine may show promise as an alternative prophylactic therapy, however a number of clinical reports have suggested possible cardiotoxicity of halofantrine in the form of electrocardiographic OT prolongation and associated torsade de pointe arrhythmia(3-6). Therefore careful reevaluation of halofantrine safety when it is being considered for use as prophylaxis in healthy people is necessary.

This Phase I safety and tolerance study was designed to evaluate halofantrine given daily at the maximal dose for which absorption is linear and for which there is limited safety data. The period of dosing for this Phase I safety and tolerance study corresponded to the length of time that dosing would be required for a subsequent Phase IIa experimental sporozoite challenge study, dose-optimization study.

#### STUDY OBJECTIVES:

The prospectively defined objectives of this Phase I study were as follows:

- 1. To evaluate the safety and tolerance of halofantrine hydrochloride given over time to healthy adults.
- 2. To characterize the variability of multi-dose halofantrine pharmacokinetics over time in healthy adults.
- 3. To correlate pharmacodynamics (electrocardiographic QT intervals) with pharmacokinetics (plasma concentrations of halofantrine/desbutylhalofantrine).

#### STUDY DESIGN:

The study design was a randomized, double-blind, placebo-controlled Phase I safety and tolerance study. Twenty-one healthy volunteers were randomly assigned to receive

halofantrine or placebo. Initially it was planned to study 16 subjects, with 12 subjects to receive active drug (halofantrine) and 4 subjects to receive placebo, however due to subject drop outs prior to study completion, the number to be enrolled was increased to increase the number of subjects who completed the entire study. The blind was maintained with the increase in sample size accomplished by stratified randomization. Subjects were dosed daily for 42 days with 500 mg halofantrine hydrochloride. Subjects were fasted for at least 2 hours prior to and 2 hours following the oral dose. The initial 21 days of drug administration were done with subjects confined as inpatients to the Georgetown University Medical Center Clinical Research Center and during the remaining 21 days of drug administration the subject reported daily to the Clinical Research Center for medical assessment and supervised drug administration. The subjects were then followed periodically for the next 4 1/2 months with medical assessments and pharmacokinetic sampling at the Clinical Research Center.

# CONDUCT OF THE STUDY:

The study was conducted at the Georgetown University Clinical Research Center at Georgetown Medical Center, 3800 Reservoir Road NW, Washington, DC. Each subject was an inpatient for 3 weeks during the period between December 21, 1995 and December 27, 1996. The last subject completed the study June 3, 1997. The Principal Investigator was Darrell R. Abernethy, M.D., Ph.D., who is Director of the Georgetown Medical Center Clinical Research Center, Professor of Medicine and Pharmacology, and Director of the Division of Clinical Pharmacology at Georgetown University. Collaborative Investigators included David L. Wesche, M.D., Ph.D. and Brian G. Schuster, M.D., of the Division of Experimental Therapeutics, Walter Reed Army Institute of Research, David Flockhart, M.D., Ph.D., and Jean Barbey, M.D., of the Division of Clinical Pharmacology at Georgetown University Medical Center.

The protocol and informed consent for this study were reviewed and approved by the Georgetown University Institutional Review Board August 1, 1995. Initial recruitment was by word of mouth, however to complete enrollment newspaper advertisement was used. Proposed advertisement for the study was reviewed and approved March 12, 1996. There was also approval of the protocol and informed consent form by the U.S. Army Surgeon General's Human Subjects Research Review Board. Twenty-one healthy male and female subjects were recruited by word of mouth and advertisement in the Washington Post newspaper. All subjects met the protocol inclusion criteria and did not meet the protocol defined exclusion criteria. These were:

### Inclusion criteria:

- 1. Aged 18-45 years inclusive
- 2. Male or non-pregnant, non-lactating females
- 3. Weight within 20% of ideal body weight as defined by Metropolitan Life Tables
- 4. Normal history and physical examination
- 5. Normal serum chemistries including Mg++

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- 6. Normal CBC
- 7. Negative HIV screen
- 8. Negative hepatitis screen
- 9. Negative serum beta-HCG pregnancy test (females only)
- 10. Normal electrocardiogram
- 11. Normal chest X-ray
- 12. Normal pulmonary function tests with normal DLCO2
- 13. Negative urine drug screen
- 14. Normal urinalysis
- 15. Normal TSH
- 16. Available for the full duration of the study and willing to comply with study procedures
- 17. Provision of written informed consent

# Exclusion criteria: Any subject with:

- 1. History of serious medical problems, including any kind of heart disease
- 2. Allergy to halofantrine or related drugs
- 3. Taken any medication one week prior to study
- 4. Donated blood or participated in another investigational drug study within the past 2 months
- 5. History of alcohol or drug abuse
- 6. Cigarette smoking or use of any tobacco product
- 7. Pregnancy, unwillingness to use adequate contraception, or the desire to become pregnant within 6 months of the last dose of study drug
- 8. Prior upper gastrointestinal surgery
- 9. HIV positivity or other clinically significant laboratory abnormalities including hyperlipidemia
- 10. Inability to speak or understand English
- 11. Unusual dietary habits

Each of the subject volunteers also had a screening physical examination and laboratory study as outlined in the protocol. Any candidate with significant clinical or laboratory abnormality was excluded from participation and referred for appropriate health care follow-up.

Demographics of the 21 subject participants are outlined in Table 1. In summary, they ranged in age for 21-44 years, there were 18 males and 3 females, 8 Caucasian and 13 Black, their weight range was 63-96 kg, and their height range was 62-73 inches.

Subjects were randomized to receive either active or placebo halofantrine in a 4:1 ratio with the randomization blinded and maintained by Dr. Mark Sale, a member of the Division of Clinical Pharmacology at Georgetown Medical Center. The randomization allocation of subject participants is outlined in Table 2. The test material was halofantrine hydrochloride 250 mg tablets. The material was provided by the US Army, however the

original source was noted to be SmithKline Beecham Pharmaceuticals, Welwyn Garden City, Herts, U.K. The tablets were noted to be lot #G1905/V001.

All drug doses were administered in the morning following at least 2 hours fast, with fasting continued for 2 hours following the drug administration. The first 21 daily doses were administered while the subjects were confined the inpatient unit. On day 22 the subjects were discharged from the inpatient unit and they returned daily for their morning observed dose from day 22 to day 41. At that time they were readmitted to the inpatient unit to receive the last dose of halofantrine and have clinical evaluation, safety laboratory determinations, and blood sampling for pharmacokinetic evaluation. On day 43 the subjects were discharged from the inpatient unit to return to the outpatient area on study days 44, 45, 48, 51, 54,57,72, and 180.

Subjects 001, 003, 006, 007, 009, 012, 013, 015, 019, 020, and 021 completed the entire 180 days of the study. Subject 017 received only 2 doses of drug, therefore safety information was collected, however this subject was not included as one of the 20 with sufficient data for some evaluation. The other subjects, 002, 004, 005, 008, 010, 011, 014, 016, and 018 completed various proportions of the study before dropping out (Table 3). No subjects were discontinued for adverse events, however 3 adverse events, gastroenteritis (subject 002), skin rash (subject 006), and headaches (subject 011) were noted. The gastroenteritis was associated in time with a food ingestion (about 6 hours later) that seemed the most likely cause, although drug exposure could not be ruled out. The skin rash disappeared while the subject remained on drug and the subject completed the study, therefore it was deemed unlikely to be related to drug exposure. The headaches were temporally related to drug exposure for several days and were deemed to be likely related to drug exposure. An outline of study participation by the subjects is noted in Table 3.

Blood sampling for pharmacokinetic analysis and electrocardiograms for QTc analysis were obtained as follows:

<u>Day</u>	Time after dose (hr
1	predose (1/2 hr)
1	0.5
1	1
1	2
1	3
1	4
1	6
1	8
1	10
1	12
2	predose
3	predose
4	predose
4	2
3 4 4 4 4	4
4	6
4	8
4	12
5	predose
6	predose
7	predose
7	2
7	4
7	6
7	8
7	12
8	predose
9	predose
10	predose
11	predose
12	predose
13	predose
14	predose
14	2
14	4
14	6
14	8
14	12

<u>Day</u>	Time after dose (hr)
15	predose
16	predose
17	predose
18	predose
19	predose
20	predose
21	predose
21	2
21	4
21	6
21	8
21	12
25	predose
29	predose
32	predose
36	predose
39	predose
42	predose
42	0.5
42	1
42	2
42	3
42	4
42	6
42	8
42	10
42	12
43	am
44	am
45 48	am
	am
51 54	am
57	am
72	am am
180	am
100	aiii

Each sampling time point, scheduled and actual, is listed in Table 4. As can be seen, the inpatient samples were obtained within a few minutes of the scheduled time, with outpatient samples for the most part within 1-2 hours of the scheduled time. For pharmacokinetic samples that deviate significantly from the scheduled time, the analysis uses the actual time of collection for purposes of calculation. All blood samples were

centrifuged in a refrigerated centrifuge promptly, the plasma separated, and stored at -70 C until time of shipment. All samples were shipped on dry ice.

Analysis of electrocardiographic data was as follows. All ECGs were 12 lead with a 15 second 3-lead rhythm strip (I, aVF, V2). The chart speed for recording the 12 lead ECG was 25 mm/sec, the speed for the rhythm strip was 50 mm/sec. Two copies of each ECG were recorded, one for the chart and one for interpretation. For each ECG the RR interval and QT interval were measured for the first 3 consecutive normal and technically acceptable complexes and the results were averaged. If the RR interval was greater than 500 msec, QTc was calculated according to the Bazett formula(7). If the RR interval was less than 500 msec, the Fridericia correction was used(8). QT interval measurement was based on a modification of the method of Lepeschkin et al(9). The ECG tracings were placed on a digitizing pad and a cross-hair type pointing device was used to mark the beginning and the end of each interval. The data were transmitted to and stored on computer. The OT duration was measured on the rhythm strips from three leads simultaneously with use of the earliest beginning of the QRS complex to the end of the longest T wave in any of the three simultaneous leads. The end of each T wave was determined by drawing a tangent to the steepest portion of the downsloping T wave. The point at which this tangent intersected with the isoelectric line was used to designate the end of the T wave.

In addition to the above mentioned procedures, questioning regarding adverse reactions and subjective symptomatology, vital sign determinations and determination of laboratory safety parameters were performed as outlined in the study protocol. Deviations have been noted in the specific case report forms. These data are recorded for each subject in the subject's case report form. Copies of case report forms have been appropriately completed for each subject and have been periodically reviewed by the USAMMDA monitor. These forms are on file and available at the Georgetown University Clinical Research Center.

Periodically, according to the protocol-defined procedure, plasma samples were shipped on dry ice to Dr. Emil Lin at the Drug Studies Unit, School of Pharmacy, University of California at San Francisco. Quality control and reporting of plasma concentration data was monitored separately from clinical site monitoring.

### **RESULTS:**

The study findings will be separated into 5 sections as follows: (1) Clinical Adverse Experiences, (2) Laboratory Safety Parameters, (3) Pharmacokinetic Results, (4) Pharmacodynamic [Electrocardiographic] Results, and (5) Pharmacokinetic / Pharmacodynamic Concentration Effect Relationships.

1. Clinical Adverse Experiences. Subject 002 (21 year old Black male) experienced stomach cramping, diarrhea, and fever for 4 days starting day 31 of the study. This began a few hours after ingestion of some possibly contaminated food. The subject stated he had

eaten salmon with a friend and the friend had become ill with similar symptoms. Evaluation on day 32 revealed mild abdominal tenderness and no other significant findings. At that time CBC showed 8000 WBC, Hb 14.2 and Hct 42.3. Symptoms subsided spontaneously on day 35. This subject was receiving halofantrine. He discontinued study on day 36 for personal reasons. Subject 006 (26 year old White male) developed a localized skin rash on day 11. Local care was administered and by day 15, while the subject remained on study the rash resolved. This subject was receiving placebo. Subject 011 (43 year old Black Hispanic female) complained of a throbbing headache on day 7. This was considerably relieved by a 650 mg dose of acetaminophen. The headache recurred on days 10, 12, 19, 21, and 22. Physical examination was unrevealing at the various evaluations during this series of headaches. This subject was receiving halofantrine. The subject did not subsequently complain of headache. Based on the history and examination, I deemed the subject 002 and subject 006 events to be unlikely to be related to halofantrine, and the subject 011 event to be probably related to halofantrine.

2. Laboratory Safety Parameters. Screening laboratory parameters for inclusion into the study are shown in Table 5 and include Drug Screen, Chest X-ray, Pulmonary function tests (screen and day 42), TSH, HIV, Hepatitis Surface Antigen (HBsAg), Hepatitis C (HbC), and Hepatitis C antibody (HbC antibody).

Vital signs during the course of the study are shown in Table 6(a-e) and include systolic blood pressure, diastolic blood pressure, heart rate, temperature, and weight. Each of these parameters is followed by 2 figures that plot the values and variance. This first figure shows the data in a linear array and includes maximum and minimum values, while the second figure shows the data with standard deviation plotted on a true time scale (Figures 1-10). Of interest, systolic and diastolic blood pressure and heart rate tended to be less during the inpatient part of the protocol (days 1-22). Early in the study weight was not measured daily, therefore missing data appear as empty cells in this table.

Beta HCG for female subjects (003, 010, 011) is shown in Table 7 and data are included for the duration of their participation (only 003 completed the study).

Hematological profile during the course of the study is shown in Table 8(a-l) and includes WBC, hemoglobin, hematocrit, RBC, red cell indices (MCV, MCHC, MCH), reticulocyte count, and white cell differential (eosinophils, segmented neutrophils, monocytes, lymphocytes. Values outside of the laboratory normal range are bolded. Each table is followed by a figure which plots the mean, standard deviation, and extreme values for the respective parameter (Figures 11-22). No trend for change in hematological parameters could be discerned during and following drug exposure. Missing data and data not obtained due to subject dropout are shown as empty cells.

Electrolytes during the course of the study are show in Table 9(a-e) and include sodium, chloride, potassium, carbon dioxide, and glucose. Values outside of the laboratory normal range are bolded. Each table is followed by a figure which plots the mean, standard

deviation, and extreme values for the respective parameter (Figures 23-27). No trend for change in electrolytes, CO2, or glucose could be discerned during the course of the study. Missing data and data not obtained due to subject dropout are shown as empty cells.

Other chemistries during the course of the study are shown in Table 10(a-s) and include alkaline phosphatase, albumin, total bilirubin, blood urea nitrogen, calcium, total cholesterol, HDL cholesterol, triglycerides, creatinine, gGT, LDH, magnesium, phosphate, total protein, AST, ALT, and uric acid. Each table is followed by a figure which plots the mean, standard deviation, and extreme values for the respective parameter (Figures 28-45). No trend for change in other chemistries could be discerned during the course of the study. Missing data and data not obtained due to subject dropout are shown as empty cells.

Urinalysis with microscopic examination is shown in Table 11(a-e) and includes casts, occult blood, RBC, WBC, and specific gravity. Each table is followed by a figure which plots the mean, standard deviation, and extreme values for the respective parameter (Figures 46-48). Occult blood noted for subjects 003 and 010 was observed during menses for these female subjects. No trend for change in urinalysis parameters was noted throughout the course of the study.

- 3. Pharmacokinetics: The pharmacokinetic parameters which could be evaluated with a degree of reliability were accumulation rate constant and accumulation half-life for each of the halofantrine stereoisomers (+Halofantrine and -Halofantrine) and steady state oral clearance for each of the isomers. Accumulation rate constants were determined from all trough (prior to the next dose) concentrations for days 1-45, the time of daily oral dosing of 500 mg/day racemic Halofantrine hydrochloride. Steady state oral clearance was determined from the mean of the measured trough concentrations from dosing days 23-45, which on visual inspection provided a reasonable description of steady state. Fitted functions for each subject, calculated accumulation rate constants and half lives are shown on Figure 49 (a-p). Calculated values were: +Halofantrine; 0.161±0.120 days-1 and 7.01±4.80 days respectively and -Halofantrine; 0.184±0.191 days-1 and 7.25±4.82 days respectively. Similarly steady state concentrations and oral clearance are shown on Figure 50. Observed and calculated values were: +Halofantrine; 88.8±46.2 ng/ml and 139±73.0 L/hr respectively and -Halofantrine; 43.7±17.3 ng/ml and 265.2±135.4 L/hr respectively. It is worth noting that +Halofantrine has markedly higher steady state concentrations across the group and this is reflected in the oral clearance calculation, which is about ½ that seen for -Halofantrine.
- 4. Pharmacodynamics (Electrocardiographic Effects): Electrocardiographic parameters during the course of the study are shown in Table 12 (a-d) including heart rate, PR interval, QRS duration, and QTc calculated as described above. Following each table is a plot of mean, standard deviation, and extreme values for each ECG (Figures 51-54). No trend for change in heart rate, PR interval, or QRS duration could be discerned. In contrast, QTc interval tended to be prolonged from baseline in subjects 002, 007, 009,

010, 011, 014, 016, 018, and 021. These subjects were all receiving halofantrine, and none of the subjects receiving placebo had an appreciable change in QTc.

5. Concentration Effect (Pharmacokinetic/Pharmacodynamic) Relationships: Raw data depicting measured ECG QTc and concentrations of the stereoisomers of halofantrine and its major metabolite, desbutylhalofantrine are shown in Table 13 (a-o). Subjects who received placebo of course are not represented as they have no halofantrine concentration determinations. Concentration time plots for isomers of halofantrine and desbutylhalofantrine are show in Figure 55 (a-o). Linear regressions of +halofantrine and ECG QTc and -halofantrine and ECG QTc are depicted in figures 56-70. It is clear that in most subjects a strong relationship between halofantrine concentration and lengthening QTc exists (Subjects 1,2,4,8,9,10,11,14,15,16,18, and 20) and that there is little relationship for others (Subjects 5,7,19).

# **CONCLUSIONS:**

This halofantrine regimen of 500 mg per os once daily administered in the fasting state for a period of 6 weeks was well tolerated by the subject participants. Clinical adverse effects were few and minor. Laboratory safety profiles showed no evidence of abnormality associated with drug exposure. Electrocardiographic QTc prolongation in the range of 5-15% occurred in most subjects who received halofantrine, and did not occur in subjects who received placebo. In most instances a linear relationship between increasing concentrations of each of the halofantrine stereoisomers and lengthening of the ECG QTc could be demonstrated. Since racemic halofantrine was administered concentrations of each of the isomers covaried, therefore no conclusion can be reached from this study about the relative contribution to QTc prolongation from the respective isomers.

Darrell R. Abernethy, M.D., Ph.D.

Principal Investigator

17 December, 1998
Date

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		HA	LOFANTRIN	VE SUBJI	HALOFANTRINE SUBJECT DEMOGRAPHICS	RAPHICS			
					Mainh	14,2,41	n n	2400	Childy
Subject	Initials	Race	Gender	Age	weigin (kg)	neign (in)	Day 0	Dropped	Completed
-	JKS	*	Σ	23	64	29	12/21/95		06/18/96
2	BSH	8	Σ	21	96	89	12/21/95	01/25/96	
3*	EJW	3	ш	23	89	70	12/21/95		06/18/96
4	WPS	В	Σ	27	68	71	01/10/96	02/16/96	
5	SGA	В	Σ	35	68	70	01/10/96	02/07/96	
* 9	JBC	3	Σ	26	77		01/25/96		07/23/96
7	DAN	3	Σ	33	73	89	02/15/96		08/13/96
8	AYB	8	Σ	28	64	29	02/15/96	02/25/96	
6	GRL	3	Σ	38	75	71	02/15/96		08/13/96
10	EYJ	m	L	39	75	65	02/15/96	04/09/96	
11	C-E	B (Hispanic)	L	43	99	.52	02/23/96	04/08/96	
12 *	H	m	Σ	37	82	71	03/14/96		09/10/96
13 *	GLG	8	Σ	35	63	29	03/28/96		10/08/96
14	DLS	m	Σ	43	75	68	03/28/96	02/01/96	
15	DMK	В	Σ	28	7.1	63	03/28/96		09/24/96
16	L-W	В	Σ	44	77	73	03/28/96	05/11/96	
17	LDG	В	Σ	21	68	70	08/01/96	08/02/96	
18	KLS	В	Σ	36	89	69	08/01/96	10/02/96	
19	WSB	*	Σ	43	82	71	08/22/96		02/18/97
20	K-P	В	Σ	22	75	70	10/31/96		04/28/97
21 *	CAE	3	Σ	38	92	69	12/05/96		06/03/97
		The state of the s							
* denotes Placeho	opo								

Jan Carry	KANDOMIZA I ION CODE
Subject No.	Assignment
1	Halofantrine
2	Halofantrine
3	Placebo
4	Halofantrine
5	Halofantrine
9	Placebo
7	Halofantrine
80	Halofantrine
6	Halofantrine
10	Halofantrine
11	Halofantrine
12	Placebo
13	Placebo
14	Halofantrine
15	Halofantrine
16	Halofantrine
17	Halofantrine
18	Halofantrine
19	Halofantrine
20	Halofantrine
21	Placebo

	HALOFANTRIN	HALOFANTRINE STUDY PARTICIPATION DATES	PATION DATES	
Subject		Hospital	Date	Study
Number	Initials	Day 0	Dropped	Completed
	JKS	12/21/95		06/18/96
2	BSH	12/21/95	01/25/96	
8	EJW	12/21/95		06/18/96
4	WPS	01/10/96	02/16/96	
5	SGA	01/10/96	02/07/96	
9	JBC	01/25/96		07/23/96
7	DAN	02/15/96		08/13/96
8	AYB	02/15/96	02/25/96	
6	GRL	02/15/96		08/13/96
10	EYJ	02/15/96	04/09/96	
11	O-	02/23/96	04/08/96	
12	=======================================	03/14/96		09/10/96
13	OLG	03/28/96		10/08/96
14	DLS	03/28/96	02/01/96	
15	DMK	03/28/96		09/24/96
16	M-7	03/28/96	05/11/96	
17	FDG	08/01/96	08/05/96	
18	KLS	08/01/96	10/02/96	
19	WSB	08/22/96		02/18/97
20	K-P	10/31/96		04/28/97
21	CAE	12/05/96		26/03/90

Table 4-1	Blood Specimen PK Times
	••
	Blank = Not Obtained

	Date	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 2	Day 3	Day 4	Day 4				
ùbj	Time	Pre	.5hr	1hr	2hr	3hr	4hr	6hr	8hr	10hr	12hr	Pre	Pre	Pre	2hr	4hr	6hr	8hr	12hr
01	Act:	7:40	8:37	8:57	10:02	11:00	11:57	13:59	16:00	18:03	20:00	07:40	08:05	07:45	10:00	12:02	14:07	15:46	20:00
01	Schd:	7:30	8:30	9:00	10:00	11:00	12:00	14:00	16:00	18:00	20:00	7:30	7:30	7:30	10:00	12:00	14:00	16:00	20:00
0.1	Diff:	10	7	e-	7	0	-3	-1	0	е	0	10	35	15	0	7	7	-14	0
0	Act:	8:00	8:43	9:13	10:13	11:12	12:20	14:15	16:15	18:20	20:15	08:18	08:18	08:03	10:18	12:18	14:18	16:03	20:05
02	Schd:	7:45	8:45	9:15	10:15	-	12:15	14:15	9	α	20:15	7:45	7:45	7:45	10:15	12:15	14:15	16:15	20:15
0.2	Diff:	15	-2	-2	-2		ς,	0	0	ហ	0	33	33	18	ю	м	м	-12	-10
03	Act:	8:17	9:24	9:50	10:56	11:47	12:52	14:50	16:50	19:00	20:50	08:30	08:25	08:13	10:46	12:48	14:50	16:42	20:50
03	Schd:	8:20	9:20	10:50	11:50	12:50	13:50	15:50	17:50	19:50	21:50	8:20	8:20	8:20	10:50	12:50	14:50	16:50	20:50
03	Diff:	<u>۳</u>	4	09-	-54	-63	-58	-60	-60	-50	09-	10	5	-7	4-	-2	0	<b>60</b>	0
40	Act:	8:34	9:15	9:45	10:40	11:40	12:40	14:40	16:50	18:40	20:40	08:36	00:60	09:45	11:55	13:45	15:55	18:00	20:00
04	Schd:	8:00	9:00	9:30	10:30	11:30	12:30	14:30	16:30	18:30	20:30	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30
9.0	Diff:	34	15	15	10	10	10	10	20	10	10	36	09	105	85	75	82	06	-30
0.5	Act:	8:20	9:05	9:25	10:25	11:30	12:25	14:25	16:25	18:25	20:20	08:30	08:35	08:35	11:15	13:07	14:55	17:00	19:00
0.5	Schd:	8:00	9:00	9:30	10:30	11:30	12:30	14:30	16:30	18:30	20:30	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30
90	Diff:	20	ى	r S	S.	0	ហ្	5	ις	-5	-10	30	35	35	4.5	37	25	30	06-
90	Act:	8:45	9:21	9:50	10:50	11:50	13:00	15:00	16:50	19:00	20:45	08:20	00:60	08:58	11:00	12:55	14:55	17:05	21:00
90	Schd:		9:20	9:50	10:50	11:50	12:50	14:50	16:50	18:50	20:50	8:20	8:20	8:20	10:50	12:50	14:50	16:50	20:50
90	Diff:		1	0	0	0	10	10	0	10	<u>s</u>	0	40	38	10	2	ស	15	10
07	Act:	9:25	10:00	10:31	11:35	12:30	13:30	15:30	17:30	19:32	21:30	08:52	09:20	08:58	11:06	13:06	15:10	17:12	21:28
0.2	Schd:	9:00	10:00		11:30	12:30	13:30	15:30		19:30	21:30	9:00	9:00	9:00	11:30	13:30	15:30	17:30	21:30
0.2	Diff:	25	0		Ŋ	0	0	0	0	7	0	8.	20	-2	-24	-24	-20	-18	-2
0.8	Act:	7:53	8:32	9:18	9:56	11:00	12:05	14:00	16:00	18:05	20:10	07:53	08:07	07:55	10:00	12:00	14:00	16:05	20:45
0.8	Schd:	7:30	8:30	9:00	10:00	11:00	12:00	14:00	16:00	18:00	20:00	7:30	7:30	7:30	10:00	12:00	14:00	16:00	20:00
80	Diff:	23	71	18	-4	0	2	0	0	ഗ	10	23	37	25	0	0	0	Ŋ	45
60	Act:	8:14	9:06	9:28	10:15	11:19	12:20	14:20	16:20	18:20	20:26	08:15	08:28	08:15	10:20	12:20	14:20	16:22	20:30
60	Schd:	7:50	8:50	9:20	10:20	11:20	12:20	14:20	16:20	18:20	20:20	7:50	7:50	7:50	10:20	12:20	14:20	16:20	20:20
60	Diff:	24	16	ω	-5	-1	0	0	0	0	9	25	38	25	0	0	0	7	10
10	Act:	8:30	9:25	9:45	10:50	11:44	12:40	14:30	16:40	18:40	21:00	08:34	08:55	08:25	10:45	12:50	14:50	16:50	23:40
10	Schd:	8:10	9:10	9:40	10:40	11:40	12:40	14:40	16:40	18:40	20:40	8:10	8:10	8:10	10:40	12:40	14:40	16:40	20:40
10	Diff:	20	15	2	10	4	0	-10	0	0	20	24	45	15	S	10	10	10	180
11	Act:	9:20	9:50	10:20	11:30	12:20	13:20	15:35	17:25	19:20	21:33	09:51	90:60	09:20	11:20	13:05	15:05	17:05	21:10
11	Schd:		05:6	10:20	11:20	.2	13:20	15:20	2	19:20	21:20	8:50	8:50	8:50	11:20	13:20	15:20	17:20	21:20
11	Diff:	30	0	0	10	0	0	15	Ŋ	0	13	61	15	30	0	-15	-15	-15	-10

Blan	Blank = Not Obtained	Obtain	pe			٠,		Blo	edS bo	Blood Specimen PK Times	PK Tim	Se			, 1				
Subj	Date Time	Day 1 Pre	Day 1 .5hr	Day 1 1hr	Day 1 2hr	Day 1 3hr	Day 1 4hr	Day 1 6hr	Day 1 8hr	Day 1 10hr	Day 1 12hr	Day 2 Pre	Day 3 Pre	Day 4 Pre	Day 4 2hr	Day 4 4hr	Day 4 6hr	Day 4 8hr	Day 4 12hr
12	Act:	8:18	9:55	9:30	10:30	11:25	12:35	14:30	16:30	18:35	20:10	08:12	08:40	07:50	10:00		14:20	16:24	20:25
12	Schd:		8:45	9:15	10:15	11:15	12:15	14:15	16:15	18:15	20:15	7:45	7:45	7:45	10:15	12:15	14:15	16:15	20:15
12	Diff:		70	15	15	10	20	15	15	20	ស	27	55	2	-15	9	<sub>.</sub>	σ	10
13	Act:	8:55	9:30	10:00	11:00	12:00	13:00	15:04	17:02	19:03	21:00	08:55	09:20	08:55	11:05	13:05	14:55	16:55	21:05
13	Schd:	80	9:30	10:00	11:00	12:00	13:00	15:00	17:00	19:00	21:00	8:30	8:30	8:30	11:00	13:00	15:00	17:00	21:00
13	Diff:	25	0	0	0	0	0	4	73	М	0	25	20	25	S		۲-	-5	S
14	Act:	8:00	8:50	9:20	10:20	11:20	12:20	14:20	16:20	18:20	20:20	08:25	00:60	08:10	10:28	12:21	14:04	16:09	20:29
14	Schd:		9:00	9:30	11:30	12:30	13:30	15:30	17:30	19:30	21:30	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30
14	Diff:		-10	-10	-70	-70	- 70	-70	-70	-70	-70	25	09	10	-2	6-	-26	-21	
15	Act:	8:30	9:14	9:50	10:45	11:48	12:50	14:44	16:45	18:35	20:36	08:40	08:41	08:80	10:55	12:55	14:55	16:55	20:45
15	Schd:	8:10	9:10	9:40	10:40	11:40	12:40	14:40	16:40	18:40	20:40	8:10	8:10	8:10	10:55	12:55	14:55	16:55	20:55
15	Diff:		4	10	2	89	10	4,	S	- 5	-4	30	31	40	0	0	0	0	-10
16	Act:	7:58	8:40	9:07	10:05	11:05	12:05	14:05	16:10	18:05	20:00	07:55	00:80	08:04	10:04	12:04	14:30	16:30	20:12
16	Schd:	7:30	8:30	9:00	10:00	11:00	12:00	14:00	16:00	18:00	20:00	7:30	7:30	7:30	10:00	12:00	14:00	16:00	20:00
16	Diff:		10	7	ιΩ÷	ហ	ß	S	10	Ŋ	0	25	30	34	4	4	30	30	12
17	Act:	8:29	9:15	9:31	10:31	11:30	12:32	14:30											
17	Schd:		9:00	9:30	11:30		13:30	15:30	17:30	19:30	21:30	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30
17	Diff:	29	15	н	- 59	09-	-58	09-											
18	Act:	8:05	9:05	9:37	10:35	11:32	12:34	14:33	16:31	18:35	20:35	08:25	08:40	08:05	10:32	12:35	14:30	16:30	20:55
18	Schd:	8:00	9:00	9:30	10:30	11:30	12:30	14:30	16:30	18:30	20:30	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30
18	Diff:		ß	7	2	7	4	ю	ч	ro.	ហ	25	40	S	7	ò	0	0	25
19	Act:	8:26	9:02	9:35	10:30	11:32	12:30	14:30	16:55	18:37	20:20	08:35	08:33	08:28	10:43	12:41	14:32	17:00	20:38
19	Schd:	8:00	9:00	9:30	10:30	11:30	12:30	14:30	16:30	18:30	20:30	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30
1.9	Diff:		7	ru	0	73	0	0	25	7	-10	35	33	28	13	11	73	30	æ
20	Act:	7:38	8:35	9:05	10:00	11:00	12:00	14:00	16:00	18:03	19:55	08:00	07:47	00:80	10:13	12:08	14:19	16:15	20:20
20	Schd:		8:30	9:00	10:00	11:00	12:00	14:00	16:00	18:00	20:00	7:30	7:30	7:30	10:00	12:00	14:00	16:00	20:00
20	Diff:		ß	ß	0	0	0	0	0	м	- 5	30	17	30	13	80	19	15	20
21	Act:	8:12	8:44	9:17	10:16	11:15	12:17	14:16	16:15	18:35	20:00	08:20	08:15	08:00	10:02	12:06	14:00	16:05	20:40
21	Schd:	7:45	8:45	9:15	10:15	11:15	12:15	14:15	16:15	18:15	20:15	7:45	7:45	7:45	10:15	12:15	14:15	16:15	20:15
21	Diff:		-1	2	1	0	2	н	0	20	-15	35	30	15	-13	6-	-15	-10	25

Blank = Not Obtained

												•						
	Date	Day 5	Day 6	Day 7	Day 7	Day 7	Day 7	Day 7	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14	Day 14	Day 14
Subj	Time	PRE	Pre	Pre	2hr	4hr	6hr	8hr	12hr	Pre	Pre Pre	Pre	. ra	F H	n H	r D	4114	711#
0.1	Acts	07:55	07:49	07:56	09:20	11:52	13:58	15:51	20:05	08:03	07:55	07:51	07:58	07:45	07:40	07:58	09:55	12:00
01	Schd:	7:30	7:30	7:30	10:00	12:00	14:00	16:00	20:00	7:30	7:30	7:30	7:30	7:30	7:30	7:30	10:00	12:00
01	Diff:	25	19	26	-10	80	-2	6-	S	33	25	21	28	15	10	28	S	0
ç	1	20.80	08.20	81.80	10.02	12:05	14:20	16:07	20:25	08:10	08:17	08:16	08:20	08:07	08:05	08:09	10:08	12:10
2 2	Schd:	7:45	7:45	7:45	10:15	12:15	14:15	16:15	20:15	7:45	7:45	7:45	7:45	7:45	7:45	7:45	10:15	12:15
02	Diff:	20	35	33	-13	-10	ហ	<b>80</b>	10	25	32	31	35	22	20	24	-7	-5
03	Acts	08:42	08:40	08:38	10:45	12:43	14:42	16:40	20:55	08:45	08:53	08:49	08:55	08:25	08:34	08:45	10:45	12:43
03	Schd:	8:20	8:20	8:20	10:50	12:50	14:50	16:50	20:50	8:20	8:20	8:20	8:20	8:20	8:20	8:20	10:50	12:50
03	Diff:	22	20	18	2.5	-7	8 -	-10	ın	25	33	29	35	ß	14	25	-5	L-
0.4	4	08.45	08:40	08:40	10:45	12:45	14:45	16:45	20:46	08:40	08:40	08:50	08:47	08:43	08:41	08:37	10:40	12:40
0 4	Schd:	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	8:00	8:00	10:30	12:30
0.4	Diff:	45	40	40	15	15	15	15	16	40	40	20	47	43	41	37	10	10
7.	4	08.25	08:20	08:25	10:25	12:25	14:25	16:21	20:25	08:29	08:25	08:29	08:20	08:25	08:20	08:16	10:25	12:25
0.00	Schd:	20:30		8:00		12:30	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	B:00	8:00	10:30	12:30
0.5	Diff:	-725		25	<u>د</u> ا	2	- 5	6-	-5	29	25	29	20	25	20	16	2	
90	4	. 00	. 00	0.00	01.11	73.15	15.10	17.10	02.16	08:51	06:10	08:59	08:48	08:48	08:46	08:38	10:50	12:50
9 0	Acr:	8.20	8.20	8:20	10:50	10:50 12:50	14:50	16:50	20:50	8:20	8:20	8:20	8:20	8:20	8:20	8:20	10:50	12:50
90	Diff:	35.0	308	205	20	25	20	20	30	31	20	39	28	28	26	18	0	0
					,	- (				6	0	0	2	5		00.00	ίο. Γι	13.07
07	Act	00:60	08:54	08:54	11:10	13:04	15:02	17:03	21:30	01:60	00:60	62:60	08:45	07:60	9.00	20:60	11:0/	14:30
0.2	Schd:	9:00	00:6	9:00	11:30	13:30	05:4T	05:/1	71:30	00.5	00:0	00:0	2.00	5	0. 6		-23	
0.2	Diff:	0	9 -	9-	-20	-26	-28	1.7-	5	7.0	5	C 7	cT-	7	# -t	4	7	3
0.8	Act:	08:03	08:07	07:55	10:00		14:00	16:00	20:00	08:03	07:55	08:05						, (
0.8	Schd:	7:30	7:30	7:30	10:00	12:00	14:00	16:00	20:00	7:30	7:30	7:30	7:30	7:30	7:30	7:30	10:00	12:00
08	Diff:	33	37	25	0	0	0	0	0	33	25	32						
60	Act:	08:24	08:15	08:15	10:20	12:20	14:15	16:20	20:30	08:18	08:20	08:30	08:13	08:17	08:20	08:19	10:35	12:34
60	Schd:	7:50	7:50	7:50	10:20	12:20	14:20	16:20	20:20	7:50	7:50	7:50	7:50	7:50	7:50	7:50	10:20	12:20
60	Diff:	34	25	25	0	0	5	0	10	28	30	40	23	27	30	29	12	14
0	A. T. A.	08:38	08:38	08:35	10:42	12:45	14:45	16:42	22:10	08:45	08:45	09:05	08:30	08:55	08:55	08:36	10:34	12:45
01	Schd:		8:10	8:10	10:40	12:40	14:40	16:40	20:40	8:10	8:10	8:10	8:10	8:10	8:10	8:10	10:40	12:40
10	Diff:		28	25	2	ហ	S	7	90	35	35	55	20	45	45	26	9-	5
-	, T	08.60	09:35	09:15	11:20	13:25	15:10	17:10	21:24	09:38	09:14	08:30	65:60	09:50	00:60	09:25	11:30	13:31
17	Schd:	8:50	8:50	8:50	11:20	13:20	15:20	17:20	21:20	8:50	8:50	8:50	8:50	8:50	8:50	8:50	11:20	13:20
11	Diff:	40	4.5	25	0	2	-10	-10	4	48	24	40	69	30	10	35	10	11

									_	Table 4-4	4							
Blank	Blank = Not Obtained	Obtaine	þ					B	od Spo	ecimen	Blood Specimen PK Times	sei			•			
Subj	Date Time	Day 5 PRE	Day 6 Pre	Day 7 Pre	Day 7 2hr	Day 7 4hr	Day 7 6hr	Day 7 8hr	Day 7 12hr	Day 8 Pre	Day 9 Pre	Day 10 Pre	Day 11 Pre	Day 12 Pre	Day 13 Pre	Day 14 Pre	Day 14 2hr	Day 14 4hr
12	Act:	08:13	08:20	08:18	10:12	12:13	14:13	16:15	22:20	08:12	08:17	08:25	08:20	08:30	08:20	08:15	10:25	12:30
12	Schd:	7:45	7:45	7:45	10:15	12:15	14:15	16:15	20:15	7:45	7:45	7:45	7:45	7:45	7:45	7:45	10:15	12:15
12	Diff:	28	35	33	-3	-2	-2	0	125	27	32	40	35	45	35	30	10	15
13	÷	08.56	7.5.5	00.60	11:20	13:15	15:15	17:12	21:17	00:60	09:23	10:05	90:00	00:60	08:59	08:55	11:10	13:00
13	Schd:	8:30	8:30	8:30	11:00	13:00	15:00	17:00	21:00		8:30	8:30	8:30	8:30	8:30	8:30	11:00	13:00
13	Diff:	26	25	30	20	15	15	12	17	30	53	95	35	30	29	25	10	0
·	,	6		0	6	7		7		000	. O C	90	71.00		00.00	06.80	10.08	12.20
T 1.	ACT:	07:80	08:15 00.8	8.00	10:24	12.30	14:41	16.30	20:45	8:00	8:00	8:00	8:00	8:00	8:00	8:00	10:30	12:30
14	Diff:	10	1.5	24	9-	-14	-3	-11	13	28	15	65	17	15	20	20	-2	-10
4	4	28.	86.38	08.44	11.00	12.55	15.00	16:35	20:58	08:45	08:50	09:25	08:38	08:45	08:40	08:28	10:41	12:40
15	Schd:	8:10		8:10	10:40	12:40	14:40	16:40	20:40	8:10	8:10	8:10	8:10	8:10	8:10	8:10	10:40	12:40
15	Diff:	25	28	34	20	15	20	-5	18	35	40	75	28	35	30	. 18	н	0
16	Act:	07:36	07:55	08:02	10:06	12:02	14:08	16:02	20:05	08:10	07:45	08:35	07:55	07:50	07:58	08:00	10:05	12:00
16	Schd:	7:30	7:30	7:30	10:00	12:00	14:00	16:00	20:00	7:30	7:30	7:30	7:30	7:30	7:30	7:30	10:00	12:00
16	Diff:	9	25	32	9	7	ω	7	Ŋ	40	1.5	65	25	20	28	30	Ŋ	0
17	Acti									1								
17	Schd:	8:00	8:00	8:00	10:30 12:3	12:30	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	8:00	8:00	10:30	12:30
11	Diff:					. • •									•			
18	Act:	08:15	08:11	07:45	10:33	12:34	14:30	16:32	20:28	08:20	08:35	07:45	07:58	08:02	08:25	08:20	10:30	12:35
18	Schd:	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	8:00	8:00	10:30	12:30
18	Diff:	15	11	-15	ю	4	0	7	-2	20	35	-15	-2	7	25	20	0	ហ
19	Act:	08:23	08:02	08:25	12:11	12:35	14:35	16:25	20:45	08:32	08:30	08:25	08:20	08:20	08:23	08:10	10:32	12:34
19	Schd:	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	8:00	8:00	10:30	12:30
119	Diff:	23	2	25	101	S	Ŋ	-5	15	32	30	25	20	20	23	10	7	4
20	Act:	08:00	07:58	07:56	09:58	12:08	14:07	16:10	20:05	07:59	08:10	08:12	07:58	07:55	07:55	07:50	10:10	12:03
20	Schd:	7:30		7:30	10:00	12:00	14:00	16:00	20:00	7:30	7:30	7:30	7:30	7:30	7:30	7:30	10:00	12:00
20	Diff:	30	28	26	-2	80	7	10	ហ	29	40	42	28	25	25	20	10	т
2.1	۲ ۲	07.50	02.40	07:56	09:55	12:00	13:58	15:56	20:00	08:01	08:10	08:28	08:10	07:50	07:40	07:47	10:10	12:06
21	Schd:	7:45	7:45	7:45	10:15	12:15	14:15	16:15	20:15	7:45	7:45	7:45	7:45	7:45	7:45	7:45	10:15	12:15
21	Diff:	2	5-	11	-20	-15	-17	-19	-15	16	25	43	25	ហ	ر. ک	2	ı,	9.

								Tal	Table 4-5								
Blan	k = Not	Blank = Not Obtained	75		••		Blo	od Spec	Blood Specimen PK Times	Times			•				
Subj	Date j Time	Day 14 6hr	Day 14 8hr	Day 14 12hr	Day 15 Pre	Day 16 Pre	Day 17 Pre	Day 18 Pre	Day 19 Pre	Day 20 Pre	Day 21 Pre	Day 21 2hr	Day 21 4hr	Day 21 6hr	Day 21 8hr	Day 21 12hr	Day 22 Pre
01	Act:		16:07	20:10	07:55	07:50	07:53	07:40	07:50	07:57	07:56	10:00	12:00	14:00	16:00	19:40	07:50
01	Schd:	14	16:00	20:00	7:30	7:30	7:30	7:30	7:30	7:30	7:30	10:00	12:00	14:00	16:00	20:00	7:30
01	Diff:	0	٢	10	25	20	23	10	20	27	26	0	0	0	0	-20	20
02	Act:	14:23	16:20	20:35	08:13	08:13	08:20	08:20	08:05	08:10	08:12	10:15	12:15	14:15	16:15	20:00	08:10
02	Schd:	14:15	16:15	20:15	7:45	7:45	7:45	7:45	7:45	7:45	7:45	10:15	12:15	14:15	16:15	20:15	7:45
02	Diff:	œ	J.	20	28	28	35	35	20	. 52	27	0	0	0	0	-15	25
03	Act:		16:43	20:55	08:52	08:47	08:51	08:50	08:13	08:50	08:80	10:53	12:53	14:53	16:59	21:07	09:15
03	Schd:	14	16:50	20:20	8:20	8:20	8:20	8:20	8:20	8:20	8:20	10:50	12:50	14:50	16:50	20:50	8:20
03	Diff:	9	-7	35	32	27	31	30	-7	30	30	3	м	м	6	17	55
0.4	Act:	14:40	16:40	20:40	08:35	08:44	08:45	10:05	08:57	08:45	08:39	10:40	12:40	14:55	16:45	20:42	08:45
04	Schd:	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30	8:00
4	Diff:	10	10	10	35	44	45	125	57	45	39	10	10	25	15	12	45
0.5	Act:	14:25	16:31	20:30	08:20	08:33	09:15	09:43	08:22	08:25	08:17	12:25	12:25	14:25	16:25	20:20	08:24
0.5	Schd:	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	8:00	8:00	12:30	12:30	14:30	16:30	20:30	8:00
0.5	Diff:	ស	п	0	20	33	75	103	22	25	17	- 5	-5	-5	5	-10	24
90	Act:	14:58	16:57	20:47	08:39	00:60	08:59	08:39	08:55	08:35	08:20	12:55	12:55	14:55	16:55	21:43	08:56
90	Schd:	14:50	16:50	20:50	8:20	8:20	8:20	8:20	8:20	8:20	8:20	10:50	12:50	14:50	16:50	20:50	8:20
90	Diff:	ω	7	er I	61,	40	39	19	35	15	30	125	Ŋ	ហ	S	53	36
07	Act:	15:07	17:10	21:00	10:10	09:07	08:60	09:05	09:41	00:10	09:12	11:20	13:15	14:22	16:47	21:40	09:03
0.2	Schd:	15:30	17:30	21:30	9:00	9:00	9:00	00:6	9:00	9:00	9:00	11:30	13:30	15:30	17:30	21:30	9:00
0.2	Diff:	-23	-20	-30	70	7	30	2	41	10	12	-10	-15	-68	-43	10	ю
0.8	Act:																
08	Schd:	14:00	16:00	20:00	7:30	7:30	7:30	7:30	7:30	7:30	7:30	10:00	12:00	14:00	16:00	20:00	7:30
08	Diff:																
60	Act:	14:30	16:27	20:00	08:18	60:80	08:19	08:19	08:30	08:25	08:10	10:30	12:30	14:25	16:21	20:25	08:10
60	Schd:	14:20	16:20	20:20	7:50	7:50	7:50	7:50	7:50	7:50	7:50	10:20	12:20	14:20	16:20	20:20	7:50
60	Diff:	10	7	-20	28	16	29	29	40	35	20	10	10	2	н	2	20
10	Act:	14:45	16:45	20:30	08:48	08:30	08:41	08:39	80:60	08:50	08:25	10:58	12:45	14:58	16:45	20:41	08:38
10	Schd:	14:40	4	20:40	8:10	8:10	8:10	8:10	8:10	8:10	8:10	10:40	12:40	14:40	16:40	20:40	8:10
10	Diff:	S	ស	-10	38	20	31	29	28	40	15	1.8	ហ	18	2	н	28
11	Act:	15:25	17:28	21:20	09:19	08:30	09:28	09:13	09:21	09:20	80:60	11:20	13:15	15:15	17:20	21:15	09:12
11	Schd:	15:20	17:20	21:20	8:50	8:50	8:50	8:50	8:50	8:50	8:50	11:20	13:20	15:20	17:20	21:20	8:50
11	Diff:	ហ	80	0	29	-20	38	23	31	30	18	0	-5	5-	0	- 5	22

Dec. 17, 1998

Date	Day 14 6hr	Day 14 8hr	Day 14 12hr	Day 15 Pre	Day 16 Pre	Day 17 Pre	Day 18 Pre	Day 19 Pre	Day 20 Pre	Day 21 Pre	Day 21 2hr	Day 21 4hr	Day 21 6hr	Day 21 8hr	Day 21 12hr	Day 22 Pre	
Act:	14:30	16:25	20:20	08:22	01:60	08:15	08:14	08:05	08:13	08:00	10:13	12:16	14:22	16:58	20:22	08:13	
Schd:	14:15	16:15	20:15	7:45	7:45	7:45	7:45	7:45	7:45	7:45	10:15	12:15	14:15	16:15	20:15	7:45	
Diff:	15	10	72	37	85	30	29	20	28	15	- 2	7	7	43	7	. 28	
Act:	15:10	17:04	21:12	08:52	08:10	09:35	09:30	08:57	09:12	90:60	11:20	13:15	15:19	17:10	21:12	08:50	
Schd:	15:00	17:00	21:00	8:30	8:30	8:30	8:30	8:30	8:30	8:30	11:00	13:00	15:00	17:00	21:00	8:30	
Diff:	10	4	12	22	-20	65	09	27	42	35	20	15	19	10	12	20	
Act:	14:20	16:20	20:23	08:25	08:40	08:14	08:22	08:34	08:16	08:50	11:59	12:57	14:55	16:46	21:05	08:18	
Schd:	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30	8:00	
Diff:	-10	-10	L-	25	40	14	22	34	16	20	8 8	27	25	16	35	18	
Act:	14:42	16:40	21:00	08:36	07:45	09:04	08:55	08:35	08:45	08:37	10:45	12:45	14:45	16:45	20:47	08:37	
Schd:	14:40	16:40	20:40	8:10	8:10	8:10	8:10	8:10	8:10	8:10	10:40	12:40	14:40	16:40	20:40	8:10	
Diff:	2	0	20	26	-25	54	45	25	35	27	2	S	5	S	7	27	
į	0.0	00	. U		7	0.00	00	00	0.1	00.00	6	20.66		30.0	10.00	07.60	
Act:	74:00	16:00	50:00	66:/0	7.30	7.30	7.30	7.30	07:30	7.30	00.01	12.00	14:02	CO:9T	70:07	7.30	
	)	000	2	) ) (	) ) !	) ) (					2. 5	20.1					
DIE:	>	>	u ,	c7	CT	<b>4</b> *	رن 4	4	Ω V	97	TO	o	7	n	4	2	
Act:																	
Schd:	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30	8:00	
Diff:				•													
Act:	14.35	16.35	20:30	08.20	08:45	08:55	08:17	08:25	08:20	08:15	10:32	12:30	14:30	16:30	20:50	08:30	
Schd:	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30	8:00	
Diff:	ß	S	0	20	45	55	17	25	20	15	2	0	0	0	20	30	
Act:	14:34	16:33	20:25	08:20	08:23	08:10	08:20	08:25	07:30	08:04	10:30	12:30	14:30	16:36	20:49	08:20	
Schd:	14:30	16:30	20:30	8:00	8:00	8:00	8:00	8:00	8:00	8:00	10:30	12:30	14:30	16:30	20:30	8:00	
Diff:	4	٣	r2 S	20	23	10	20	25	-30	4	0	0	0	9	19	20	
Act:	14:00	16:02	20:15	07:55	07:36	07:37	07:58	07:55	07:58	07:55	10:02	12:05	13:55	15:50	20:10	07:50	
Schd:	14:00	16:00	20:00	7:30	7:30	7:30	7:30	7:30	7:30	7:30	10:00	12:00	14:00	16:00	20:00	7:30	
Diff:	0	2	15	25	9	7	28	25	28	25	7	<b>S</b>	-5	-10	10	20	
4	14.05	36.08	20.20	07.50	00.80	07.57	08.00	07:55	07.58	07:45	10.00	12:00	14:00	16:00	20:00	08:10	
S. Dd. S.	14.15	20.01	20.15	7.45	7.45	7 - 45	7:45	7.45	7.45	7:45	20.01	12:15	14:15	16:15	20:15	7:45	-
Diff:	-10	7-	. r	2 5	15	12	15	10	13	0	-15	-15	-15	-15	-15	25	
	Act: Schd: Diff: Diff: Act: Schd: Diff: Diff: Act: Schd: Diff: Diff: Act: Schd: Diff: Di		14:30 14:15 15:10 15:00 16:00 14:20 14:30	14:30 16:25 14:15 16:15 15:10 17:04 15:00 17:00 10 4 14:20 16:20 14:30 16:30 14:40 16:30 0 0 14:00 16:30 14:35 16:35 14:37 16:33 14:37 16:33 14:30 16:30 5 5 14:37 16:33 14:30 16:00 0 0 14:37 16:35 14:30 16:00 0 0 14:30 16:30 0 0 14:30 16:30 0 0 14:30 16:30 14:30 16:30 14:30 16:00 0 0 14:30 16:30 14:30 16:00	14:30       16:25       20:20         14:15       16:15       20:15         15:10       17:04       21:12         15:00       17:00       21:00         10       4       12         14:20       16:20       20:23         14:30       16:30       20:30         14:40       16:40       20:00         2       0       20         14:40       16:40       20:00         0       16:00       20:00         0       0       -5         14:00       16:30       20:30         14:30       16:35       20:30         14:30       16:30       20:30         14:30       16:30       20:00         5       5       0         14:30       16:30       20:00         0       2       15         14:00       16:00       20:00         0       2       15         14:00       16:00       20:00         0       2       15         14:00       16:00       20:00         0       2       15         14:00       16:00       20:00	14:30         16:25         20:20         08:22           14:15         16:15         5         37           15:10         17:04         21:12         08:52           15:00         17:00         21:00         8:30           10         4         12         22           14:20         16:20         20:30         8:00           -10         -1         -7         25           14:30         16:30         20:30         8:00           2         0         20         26           14:40         16:40         20:40         8:10           2         0         20         26           14:40         16:40         20:40         8:10           2         0         20         26           14:00         16:00         20:00         7:30           0         0         -5         25           14:30         16:30         20:30         8:00           4         3         -5         20           14:30         16:30         20:30         8:00           4         3         -5         20           14:00         16:00	14:30         16:25         20:20         08:22         09:10           14:15         16:15         20:15         7:45         7:45           15:10         10:15         20:15         7:45         7:45           15:10         17:04         21:12         08:52         08:10           15:00         17:00         21:00         8:30         8:30           10         4         12         22         -20           14:20         16:30         20:30         8:00         8:00           -10         -10         -7         25         40           14:30         16:30         20:30         8:00         8:00           14:00         16:00         20:00         26         -25           14:00         16:00         20:00         7:30         7:30           14:30         16:30         20:30         8:00         8:00           14:30         16:30         20:30         8:00         8:00           5         5         0         20         45           14:30         16:30         20:30         8:00         8:00           14:30         16:30         20:30         8:00	14:30         16:25         20:20         08:12         7:45         7:45           14:15         16:15         20:15         7:45         7:45         7:45           15:10         10:15         20:15         7:45         7:45         7:45           15:10         17:04         21:12         08:52         08:10         09:35           15:00         17:00         21:00         8:30         8:30         8:30           14:20         16:20         20:23         08:25         08:10         09:35           14:20         16:20         20:30         8:00         8:00         8:00           14:20         16:20         20:30         08:25         08:10         9:14           14:40         16:40         20:40         8:10         8:10         9:00           14:40         16:40         20:40         8:10         8:10         9:00           14:00         16:00         20:00         7:30         7:30         7:30           0         0         -5         25         15         40           14:30         16:30         20:30         8:00         8:00         8:00           14:32         16:33<	14:30         16:25         20:20         08:22         09:10         08:15         08:14           14:18         16:15         20:15         7:45         7:45         7:45         7:45           14:15         16:15         20:15         7:45         7:45         7:45         7:45           15:10         17:04         21:12         08:52         08:10         09:35         09:30           10         4         12         22         -20         65         60           10         4         12         22         -20         65         60           11         4         12         22         -20         65         60           10         4         12         22         -20         65         60           14:20         16:30         20:30         8:00         8:00         8:00         8:00           14:40         16:40         20:40         8:10         8:00         8:00         8:00           2         20         20         20         26         -25         54         45           14:00         16:00         20:00         0.0:55         07:45         08:10         8:00<	14:15         16:15         20:120         08:12         09:10         08:15         08:14         08:05           14:15         16:15         20:15         7:45         8:20	14:13         16:15         20:12         08:12         09:15         08:15         08:15         08:15         08:15         08:13         08:15         7:45	44.15         16:15         20:12         09:12         09:15 <th< th=""><th>  14.15   16.15   20.120   08.12   09.10   08.15   08.14   08.05   08.13   08.10   16.15   10.</th><th>  14.15   16.15   20.120   08.12   09.10   08.14   08.14   08.05   08.13   08.00   10.13   12.16   14.15   10.1   2   2   3   3   3   3   2   2   2   2</th><th>  14.15   16.15   20.15   71.4</th><th>  Hailbook   Hailbook</th><th>  Harrow   H</th></th<>	14.15   16.15   20.120   08.12   09.10   08.15   08.14   08.05   08.13   08.10   16.15   10.	14.15   16.15   20.120   08.12   09.10   08.14   08.14   08.05   08.13   08.00   10.13   12.16   14.15   10.1   2   2   3   3   3   3   2   2   2   2	14.15   16.15   20.15   71.4	Hailbook   Hailbook	Harrow   H

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Table 4-6

Table 4-7	Blood Specimen PK Times
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	Blank = Not Obtained

43		00	0	0		2		4.5	0			0			0	٠	30	0.3	_	39	00	1		0		40	0	0	30	0		f	00
Day	AM	_	•	-30		7:45		08:45	8:20	25		8:00			8:00		08:30	89	10	07:39	9:00	-81		7:30			•	-10	08:30	8:10	80		00:60
Day 42	12hr	21:35	20:00	95		20:15		21:15	20:50	25		20:30			20:30		21:00	20:50	10	21:05	21:30	-25		20:00		20:20	20:20	0	20:48	20:40	80		21:20
Day 42	10hr	17:10	18:00	- 50		18:15		19:15	18:50	25		18:30			18:30		19:18	18:50	28	19:08	19:30	-22		18:00		18:20	18:20	0	18:45	18:40	2		19:17
Day 42	8hr	15:00	16:00	-60		16:15		17:15	16:50	25		16:30			16:30		18:05	16:50	75	17:13	17:30	-17		16:00		16:20	16:20	0	16:57	16:40	17		17:16
Day 42	6hr	13:05	14:00	-55		14:15		15:15	14:50	25		14:30			14:30		15:09	14:50	19	15:03	15:30	-27		14:00		14:20	14:20	0	14:55	14:40	1.5		15.10
Day 42	4hr	12:40	12:00	40		12:15		13:20	13:50	-30		12:30			12:30		12:56	12:50	9	13:06	13:30	-24		12:00		12:20	12:20	0	12:55	12:40	15		13.10
Day 42	3hr	10:10	11:00	-50		11:15		12:15	12:50	-35		11:30			11:30		11:50	11:50	⁄o	12:01	12:30	-29		11:00		11:33	11:20	13	11:45	11:40	S		12.15
Day 42	2hr	01:60	10:00	-50		10:15		11:15	11:50	-35		10:30			10:30		11:10	10:50	20	11:12	11:30	-18		10:00		10:20	10:20	0	10:50	10:40	10		11.20
Day 42	1hr	08:14	9:00	-46		9:15		10:15	10:50	-35		9:30			9:30		10:10	9:50	20	10:13	10:30	-17		00:6		09:50	9:20	0	09:55	9:40	15		10.10
Day 42	.5hr	07:50	8:30	-40		8:45		09:45	9:20	25		9:00			00:6		09:30	9:20	10	09:43	10:00	-17		8:30		08:20	8:50	0	08:30	9:10	20		0.00
Day 42	Pre		7:30			7:45		09:10	8:20	20		8:00			8:00		08:45	8:20	25	00.60	9:00	0		7:30		08:05	7:50	15	08:40	8:10	30		00.00
Day 39		10:05	7:30	155		7:45		08:45	8:20	25		8:00			8:00		08:45	8:20	25	00.01	00:6	09		7:30		08:35	7:50	45	09:10	8:10	09		11.63
Day 36		08:20	7:30	20		7:45		08:25	8:20	S	08:30	8:00	30		8:00		08:37	8:20	17	09.48	00:6	84		7:30		10:43	7:50	173	11:05	8:10	175		
Day 32		08:07	7:30	37	08:55	7:45	70	08:27	8:20	7	08:33	8:00	33		8:00	. *	08:36	8:20	16	06.90	00:6	20		7:30	٠	09:50	7:50	120	08:48	8:10	38 8		0
Day 29	Pre	00:80	7:30	30	07:10	7:45	-35	08:20	8:20	0	08:50	8:00	20		8:00		08:45	8:20	25	00	00.6	610		7:30		09:20	7:50	120	10:45	8:10	155		
Day 25	Pre	90:60	7:30	95	08.20	7:45	3.5	08:40	8:20	20	09:35	8:00	95	09:18	8:00	78	08:40	8:20	20	000	9.00	388		7:30		08:52	7:50	62	08:02	8:10	 		
Date	Time	Act:	Schd:	Diff:	4	Schd:	Diff:	Act:	Schd:	Diff:	1	Schol.	Diff:	Act:	Schd:	Diff:	Act:	Schd:	Diff:	Act:	Schda	Diff:											
	Subj	10	01	10	20	02	02	03	03	03	04	04	04	0.5	0.5	0.5	90	90	90	7		07	08	80	0.8	60	60	60	10	10	2 07		,

09:00 8:30 30

09:45 7:45 120

Day 43

								ï	Table 4-8							
Blank	= Not (	Blank = Not Obtained			**		ā	ood Spe	Blood Specimen PK Times	K Times						
Subj	Date Time	Day 25 Pre	Day 29 Pre	Day 32 Pre	Day 36 Pre	Day 39 Pre	Day 42 Pre	Day 42	Day 42 1hr	Day 42 2hr	Day 42 3hr	Day 42 4hr	Day 42 6hr	Day 42 8hr	Day 42 10hr	Day 42 I 12hr
12	Act:	08:25	08:20	08:29	08:36	08:21	08:10	08:48	09:19	10:17	11:20	12:26	15:08	16:20	18:20	20:15
12	Schd:	7:45	7:45	7:45	7:45	7:45	7:45	8:45	9:15	10:15	11:15	12:15	14:15	16:15	18:15	20:15
12	Diff:	40	35	44	51	36	25	м	4	7	ហ	11	53	S	Ŋ	0
13	Act	08:35	09:01	09:50	09:25	08:30	08:57	09:31	10:30	11:32	12:38	13:37	15:45	17:35	19:31	21:40
13	Schd:	8:30	8:30	8:30	8:30	8:30	8:30	9:30	10:00	11:00	12:00	13:00	15:00	17:00	19:00	21:00
13	Diff:	2	31	20	55	09	27	П	30	32	38	37	45	32	31	40
14	Act:	07:55	07:37	07:20	07:08	07:30										
14	Schd:	8:00	8:00	8:00	8:00	8:00	8:00	00:6	9:30	10:30	11:30	12:30	14:30	16:30	18:30	20:30
14	Diff:	r2	-23	-40	-52	-30										
15	Act:	00:60	09:48	10:10	10:40	09:60	08:45	09:14	10:15	11:07	12:14	13:04	15:10	17:07	19:08	21:20
15	Schd:	8:10	8:10	8:10	8:10	8:10	8:10	9:10	9:40	10:40	11:40	12:40	14:40	16:40	18:40	20:40
15	Diff:	20	98	120	150	100	35	4	35	27	34	24	30	27	28	40
9	Act:	07:32	07:25	07:40	01:18	07:10	07:55	08:40	00:60	10:00	11:05	17:08	14:02	16:00	18:08	20:00
16	Schd:	7:30	7:30	7:30	7:30	7:30	7:30	8:30	9:00	10:00	11:00	12:00	14:00	16:00	18:00	20:00
16	Diff:	2	ហ	10	-372	-20	25	10	0	0	ហ	308	73	0	œ	0
17	Act:				·											
17	Schd:	8:00	8:00	8:00	8:00	8:00	8:00	9:00	9:30	10:30	11:30	12:30	14:30	16:30	18:30	20:30
17	Diff:				en en											
18	Act	09:48	18:42	18:30			08:05	10:60	08:30	10:30	11:37	12:30	19:36	16:36	18:55	20:41
18	Schd:		8:00	8:00	8:00	8:00	8:00	9:00	9:30	10:30	11:30	12:30	14:30	16:30	18:30	20:30
18	Diff:		642	630			ហ	ri	0	0	7	0	306	9	25	11
19	Act:	08:35	08:36	09:05	00:00	08:50	08:10	09:05	08:30	10:32	11:30	12:35	14:40	16:38	18:38	20:38
13	Schd:		8:00	8:00	8:00	8:00	8:00	9:00	9:30	10:30	11:30	12:30	14:30	16:30	18:30	20:30
19	Diff:		36	65	09	20	10	Ŋ	0	7	0	Ŋ	10	œ	ω	æ
00	, t	08.61	12.12	09:15		08:47	07:58	08:35	09:05	10:05	11:05	12:05	14:05	16:05	18:05	20:05
20	Schd:	7:30	7:30	7:30	7:30	7:30	7:30	8:30	9:00	10:00	11:00	12:00	14:00	16:00	18:00	20:00
70	Diff:	81	282	105		77	28	ហ	Ŋ	2	Ŋ	S	Ŋ	Ω	Ŋ	ß

09:07 8:10 57 07:59 7:30 29 08:30 8:00 30 08:30 8:00 30 07:00 8:00 -60 08:00 7:30 30

> 20:40 20:15 25

> 18:33 18:15 18

> 16:41 16:15 26

14:32 14:15 17

12:39 12:15 24

11:32 11:15 17

10:28 10:15 13

09:30 9:15 15

08:55 8:45 10

07:50 7:45 5

09:12 7:45 87

09:10 7:45 85

09:04 7:45 79

09:14 7:45 89

08:42 7:45 57

Act: Schd: Diff:

21 21 21

		(	-															1																		
Table 4-9 Blood Specimen PK Times	Day 180 AM	10:00	7:30	150		7:45		00:60	8:20	40		8:00			8:00		08:55	8:20	35	77.00	00:44 00:44	00:6	-496		7:30		15:30	7:50	460		0.0	07:0			8:50	
Ta ood Spec	Day 72 AM	09:55	7:30	145		7:45		13:54	8:20	334		8:00			8:00		08:55	8:20	35	000	18:20	00:6	260		7:30		11:32	7:50	222		0	o			8:50	
B	Day 57 AM	08:50	7:30	80		7:45		08:28	8:20	80		8:00			8:00		08:40	8:20	20	00.0	00:61	00:6	009		7:30		15:05	7:50	435		0.5	OT:8			8:50	
	Day 54 AM	08:33	7:30	63		7:45		08:10	8:20	-10		8:00			8:00		08:55	8:20	35		23:40	9:00	880		7:30		14:20	7:50	390	7 C .	15:53	07:8	325		8:50	
**	Day 51 AM	08:80	7:30	80		7:45		08:10	8:20	-10		8:00			8:00		08:55	8:20	3.5	0	17:00	00:6	180		7:30		12:20	7:50	270	0	05:01	01:8	140		8:50	
	Day 48 AM	09:18	7:30	108		7:45		00:60	8:20	40		8:00	•		8:00		08:48	8:20	28			9:00			7:30		10:25	7:50	155		,	8:10			8:50	
	Day 45 AM	08:38	7:30	68		7:45		09:57	8:20	97		8:00			.8:00		09:25	8:20	65			9:00			7:30			7:50				8:10		14:03	8:50	313
Blank = Not Obtained	Day 44 AM	08:45	7:30	75		7:45		15:45	8:20	445		8:00			8:00		09:50	8:20	06			9:00			7:30		11:30	7:50	220	1	15:20	8:10	430	09:40	8:50	20
= Not C	Date Time	Act:	Schd:	Diff:	Act:	Schd:	Diff:	Act:	Schd:	Diff:	Act:	Schd:	Diff:	Act:	Schd:	Diff:	Act:	Schd:	Diff:		Act:	Schd:	Diff:	, t	Schd:	Diff:	Act:	Schd:	Diff:		ACE:	Schd:	Diff:	Act:	Schd:	Diff:
Blank	Subj	01	0.1	0.1	02	02	02	03	03	03	04	04	04	0.5	0.5	0.5	90	90	90	ļ	0.2	0.2	0.7	80	080	08	60	60	60	,	2 .	10	10	11	11	11

Dec. 17, 1998

ш	Slank	= Not	Blank = Not Obtained	פ		••		<b>6</b> 0	Ta lood Spe	Table 4-10 Blood Specimen PK Times
-	Subj	Date Time	Day 44 AM	Day 45 AM	Day 48 AM	Day 51 AM	Day 54 AM	Day 57 AM	Day 72 AM	Day 180 AM
	12	Act:	08:34	09:05	08:22	08.40	90.90	. 00		
	12	Schd:	7:45	7:45	7.45	7.45	7.4	0 L	08:56	03:10
	12	Diff:	49	80	37	, r,	0 6 7	0.4:V	7:45	7:45
					)	ה ה	n #	30	1/	85
_	13	Act:	09:40	09:42	11:55	10:57	17:00	13.09	12.65	
	13	Schd:	8:30	8:30	8:30	8:30	8:30	2.2	66:57	11:50
	13	Diff:	70	72	205	147	510	279	325	200
	14	Act:								
	14	Schd:	8:00	8.00	φ.	0	0	0		
	14	Diff:		)		0	00:8	00:8	8:00	8:00
	15	Act:	13:55	16:18	10:30	10:40	11.45		L O	
	1.5	Schd:	8:10	8:10	8:10	8.30	01.8	70:47	10:05	11:05
	15	Diff:	345	488	140	04.5	21.5	0110	8:10	8:10
					o i	2	C T 7	35/	115	175
		Act:	09:15							08.30
		Schd:	7:30	7:30	7:30	7:30	7:30	7:30	7:30	7:30
	16	Diff:	105							120
	17	Act:		18:00	09:42	08:45	15.15	30.61		
	17	Schd:	8:00	8:00	8:00	8.00	8.00	C7:/T	11:40	(
	17	Diff:		009	102	4.5	435	565	220	00:8
.,	18	Act:		18:00	09.42	ψ. 		1	1	
	18	Schd:	8:00	8:00	8:00	8.00	8.00	00.00	0.00	(
. ,	18	Diff:		009	102	1485	435	2005	220	00:8
					•	* Blood	drawn on	44	ng day	
		Act:	08:40	09:07	09:20	09:45	08:60	09:15	09:30	
		Schd:	8:00	8:00	8:00	8:00	8:00	8:00	8:00	8:00
	1 61	Diff:	40	29	110	105	06	75	90	
14		Act:	08:35	10:58	11:20	13:30				
.4		Schd:	7:30	7:30	7:30	7:30	7:30	7:30	7.30	30
. 4	20 D	Diff:	65	208	230	360			)	
7	21 1	Act:	08:56	10:50	74.01	00.7	4.00	0		
1.41				7:45	7:45	7.45	7.45	00:60	09:05	!
73	-	Diff:	7.1	185	152	375	120	75	/:45 80	7:45

Dec. 17, 1998

Subject	Drug	Chest	Pulm	Pulmonary	TSH			HPC	
Number	Screen	X-Ray	Func	Function	µIU/mI	≥H	HBsAG	Serology	HbCAb
Time>	Screen	Screen	Screen	Day 42	Screen	Screen	Screen	Screen	Screen
10	1	1	Normal	Normal	2.10		-		
02	1	1	Normal		0.67	1			-
03	t	1	Normal	Normal	1.70	1	F	1	1
04		3	Normal	Normal	0.11	3		1	
05			Normal		0.70	1			1
90		ı	Normal	Normal	0.44	-	ı	1	1
07	1	,	Normal	Normal	06.0	1	1	1	1
80	1		Normal		09.0	ę	1	1	1
60.	1		Normal	Normal	1.70		1	1	
10	1	ı	Normal	Normal	0.80			1	1
11	1		Normal	Normal	1.90	ı	ı		1
12	1	ı	Normal	Normal	1.45	1	1	1	,
13	•	t	Normal	Normal		1	•		1
14	ı		Normal		1.27	ı	*		1
15	-	ar*	Normal	Normal	2.01	-/	1		,
16	1	1	Normal	Normal	0.29	-	1		+
17	1		Normal		4.08	I	1	+	1
18	ı	1	Normal	Normal	1.40		P	1	
19	1		Normal		0.70	•	-		,
20	1	•	Normal	Normal	1.67	1	9		3
21	1	1	Normal	Normal	2.36		1	ANTICAL TO THE PARTY OF THE PAR	•
Blank Cell = N	Not Obtained								
							-		
Average					1.34				
Std Dev					0.92				
Max					4.08				
Min					0.11				

Units: mmHg

Table 6a-1 Vital Signs: Systolic BP

Subj \ Day	00	-	- 2	n	4	C)	9	7	<b>∞</b>	6	9	7	12	13	4		15
10		122	112	112	106	108	116	106	114	118	123	116	134	128	131		126
02	132	128	117	122	125	132	112	116	136	137	129	124	130	128	149		132
03	132	100	116	107	92	100	101	96	96	95	92	92	118	94	130		106
04	. 112	128	112	108	118	124	138	118	123	122	122	132	132	126	140		126
05	139	114	102	114	120	118	104	86	114	108	113	108	110	114	110		104
90	124	148	108	127	122	122	122	135	116	114	125	124	124	122	133		126
07	154	123	144	118	132	134	136	146	134	133	137	128	140	139	128	`	158
80	122	134	118	106	104	114	108	112	126	115	106						
60	120	126	128	120	128	126	126	112	118	116	108	104	122	122	112	-	22
10	128	124	122	114	118	124	124	136	97	125	114	138	124	119	122	1	127
11	130	116	106	98	26	16	106	110	102	93	89	104	100	06	108	7	108
12	134	104	132	118	116	112	115	121	122	122	116	120	134	129	128	1(	102
13	132	112	115	109	108	122	108	120	118	106	92	104	110	108	114	_	110
14	112	106	104	114	116	118	122	118	124	107	100	116	128	109	100	1(	108
15	140	110	117	116	106	112	122	114	116	107	110	122	104	114	102	Ξ	17
16	117	92	104	06	06	105	102	96	102	108	94	100	106	104	105	102	2
17	100	128	119								1						
18		108	114	108	116	106	106	124	94	112	103	106	104	96	110	£	107
19	131	108	128	134	110	115	96	120	125	104	118	96	118	86	127	120	0
20	125	122	125	132	116	122	122	110	122	118	114	104	114	118	126	110	0
21	112	92	83	06	94	82	94	105	106	92	96	66	102	100	92	0)	90
Summary:	Systolic	: BP, mmHg	nHg														
Average	126.1	116.6	115.5	112.9	111.7	114.7	114.0	115.7	115.3	112.6	110.2	112.6	118.6	112.9	119.3	115.	æ.
Std Dev	12.4	13.7	12.7	11.8	11.9	12.5	12.4	13.1	12.2	12.1	13.3	12.9	12.4	14.9	14.9	15.1	-
Max	154	148	144	134	132	134	138	146	136	137	137	138	140	139	149	15	58
Min	100	66	83	O	б	S	6	90	70	00	Co	0.5	100	ag	00		5

Subj \ Day 17 18	132 122	122 112	92 92	132 123	118 108	108 118	128 148	i L	120 136	98 110	100 126	114 112	122 118	98 110	92 98		96 100		119 116	86 103	Summary:	110.1 114.1	14.3 13.3	132 148	L
19	120	116	06	110	109	120	126	118	132	114	130	124	116	114	110		86	119	120	105		115.3 1	10.3	132	0
20		120	06	134	107	122	136	116	119	127	124	107	118	116	110		114	118	114	91		115.7	12.1	136	0
21		134	06	90	110	130	164	124	112	106	112	116	118	116	106		107	100	114	96		113.6	17.4	164	5
22	134	122	96	140	122	114	140	108	116	128	116	122	138	127	104		118	112	104	103		119.2	13.1	140	0
23	136	113	136	134	113	124	138	132	125	110	116	122	135	143			:	108	136			126.3	11.4	143	400
24	120	136	98	132	123	120	136	125	112	110	116	114	114	122	98			124				118.8	11.3	136	00
25	118	145	96	124	120	133	139	116	122	124	120	120	118	128	06		108	120	116	26		118.3	14.4	145	0
56	138	138	106	128		116	144	114	135	116	134	122	123	130	117		130	103	112	117		123.5	11.7	144	103
27	120	142	106	122	148	112	135	127	152	127	122	112	119	134	129	/	124	116	125			126.2	12.3	152	106
28	130	138	91	132	124	140	126	116	120	124	142	124	126	110	128			120	124	113		123.8	11.9	142	0,1
29	126	124	116	117		122	122	140	132	130	135	122	114	133	108		142	130	120	118		125.1	9.2	142	400
30	120	136	106	124		128	126	120	126	140	112	116	136	102			137	146	124			124.9	12.3	146	100
3	130	134	98	132		134	120	125	132	128	118	113	131	136	116			. 118	124			124.3	10.1	136	ao
32	128	142	98	132		132	120	116	124	126	132	124	124	124	134		126	118	115	120		124.2	9.5	142	ao
33	114		96	124		123		110	108	113	143	146	136	138	118		124	128	117	115		122.1	13.6	146	90

Subj \ Day	34	35	36	37	38	39	40	41	42	43	44	45	48	51	54		57
10	100	108	108	116	118	116	132	112	116	110	122	126	122	124	128		116
02	126	136															
03	94	108	114	110	102	112	100	106	98	98	116	124	106	96	114	<del>-</del>	113
04	134	132	134	118													
05																	
90	130	134	132	124	116	125	120	130	114	130	115	132	134	124	120	132	N
07		126	140	132	108	136	117		142	121				122	108	152	N.
90																	
60	112		117	120	115	104	126	108	112	109	114	132	126	115	116	120	_
10	152	119	122	120	115	122	116	104	116	132	128	120		130	124		
1	138	116	130	119	134	125	134	108	94	112	104	118					
12	128	118	106	123	116	126	123	102	134	126	126	106	126	131	128	126	
13	120	120	120	120	128	112	131	106	106	120	106	122	128	132	118	112	
14	124	138	154	124	125	144	127										
15	112	123	114	136	130	122	128	122	108	139	110	125	116	124	132	114	
16	120	111	110	131	115	108	106	97	104	112	116						i
17											/						
18	124	138		120	126		130	132	119	128		122	138	112	134	134	
19	114	119	126	112	123	124	131	119	128	98	122	ND	136	116	116	105	
20	124	118				130	118	119	92	116	121	126	124	112	132	108	
21	121	124	116			120	134	115	100	107	102	96	134	112	100	123	1 ;
Summary:																	1
Average	121.9	122.8	122.9	121.7	119.4	121.7	123.3	112.9	112.2	117.2	115.5	120.8	126.4	119.2	120.8	121.3	
Std Dev	13.6	9.9	13.2	7.1	8.8	10.5	10.0	10.4	14.4	12.2	8.3	10.3	9.5	10.1	10.2	13.2	
Max	152	138	154	136	134	144	134	132	142	139	128	132	138	132	134	152	
Min	94	108	106	110	102	104	100	97	92	98	102	96	106	96	100	105	

Units: mmHg

Table 6a-4 Vital Signs: Systolic BP

Blank = Not Obtained

01 11/2 11/2 12/0 09 11/1 11/2 12/0 12/0 12/0 12/0 12/0 12/0	Subj \ Day	180
002 003 1112 006 007 110 009 1110 1110 112 113 114 114 115 116 117 118 119 119 110 110 110 110 110 110 110 110	5	
03 112 04 05 06 144 06 144 08 116 11 12 126 11 14 14 12 12 14 12 18 19 124 19 20 21 21 124 19 11 124 19 11 124 11 12 124	02	-
04 05 06 14 08 08 09 11 10 11 12 12 12 13 14 14 15 16 17 18 19 20 21 21 21 21 21 21 21 21 21 21	03	112
05 06 144 08 116 11 117 14 15 17 18 19 20 21 21 21 21 21 21 21 21 21 21	04	
06 144 08 09 116 10 116 117 127 127 118 149 127 119 127 119 127 120 20 21 21 21 124 120 21 124 130 117 117 117 117 117 117 117 117 117 11	05	
07 129 08 116 10 12 120 11 14 14 15 140 17 12 120 18 19 124 20 21 124 309 124 309 124	90	144
08 10 11 12 12 13 14 14 15 16 17 18 19 20 21 21 21 21 21 21 21 21 21 21	07	
110 110 112 123 14 15 14 15 16 17 18 19 20 21 21 21 21 21 21 21 21 21 21 21 21 21	90	
10 12 12 13 14 14 15 16 12 18 19 20 21 20 21 mary: 124.	60	
12 12(14) 11/4 14/4 15/6 120 20 21 21 21/4 21/6 124/6 21 21/6 21 21/6 21/6 21/6 21/6 21/6 2	10	
12 12 14 11 15 14 16 12 17 18 19 20 20 21 21 mary: 124.	11	
113 111 15 144 16 12 18 19 20 20 21 21 mary: 124. Dev 11.		126
14 15 14 16 12 17 19 20 20 21 21 mary: mary: 124. Dev 11.	13	1
15 14 16 12 17 18 19 20 21 21 30 21 124.		
16 12 18 19 20 20 21 mary: 124. Dev 11.	15	140
17 18 19 20 21 21 mary: age 124. Dev 11.	16	123
18 19 20 21 21 mary: age 124. Dev 11.	17	
19 20 21 21 anary: 124. Dev 11.	18	:
20 21 mary: age 124. Dev 11.	19	
21 mary: age 124. Dev 11.	20	
age 124. Dev 11.	21	
mary: age 124. Dev 11.	The state of the s	
age 124.  Dev 11.		
Dev 11.	Average	
14	Std Dev	
77	Max	144
	Min	112

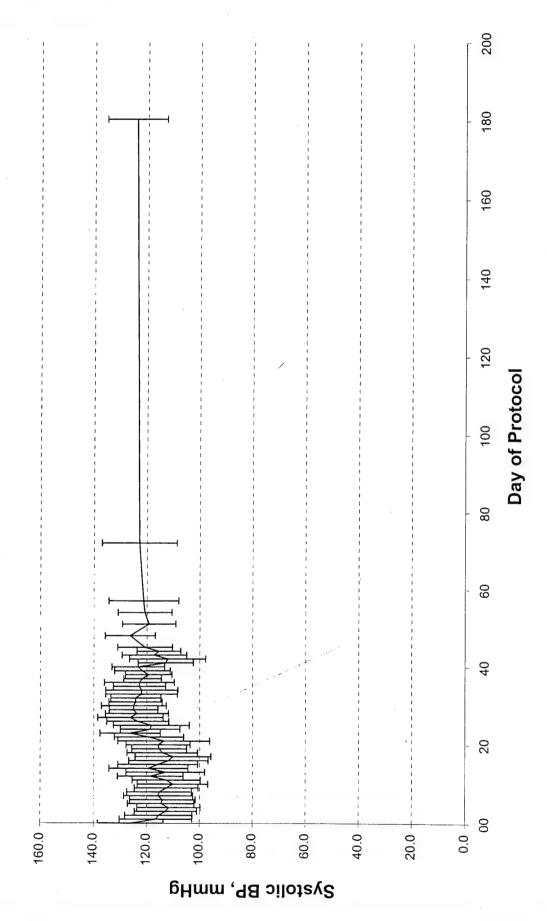
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. 72 Figure 1: SD & Range Charts for Systolic BP, mmHg Box = Mean ±1 SD; Line = Min to Max Systolic BP, mmHg

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Day of Protocol

Figure 2: Systolic BP, mmHg



Subj / Day	00	-	2	3	4	2	9	7	∞	ກ	2		71	2	14	12	16	1	18	2	2
	-	1	1	5	ç	70	C	6	00	u d	2	C	2	1	70	7.4	77	70		89	68 70
LO.	04	4/	4	8	8	5	8	3	9	3	5	70	5	r	2		-	2	-	3 1	
02	72	68	66	89	70	28	99	44	68	63	64	09	74	62	98	84	29	09	47	20	09 09
03	56	99	54	69	20	46	52	20	52	28	52	42	20	52	46	99	48	46	4	48	8 46
04	80	72	09	99	58	99	28	09	72	99	89	9/	98	82	70	89	64	9/	29		9/
05	68	64	54	28	09	99	56	54	62	28	70	99	09	64	52	28	62	99	60		99
90	06	96	74	28	78	71	80	20	89	61	62	84	89	78	20	72	20	20	99		20
70	84	09	78	09	64	9/	72	89	62	77	28	68	9/	78	09	74	64	72	64		72
80	70	80	70	64	52	62	59	62	64	53	22									- 1	
60	99	89	99	64	72	29	62	99	09	72	55	09	56	20	26	74	52	62	09		62
10	68	72	70	62	99	99	20	89	56	73	72	28	69	69	28	72	99	75	20		75
11	88	74	59	09	56	26	09	58	72	78	26	09	09	54	9/	28	64	62	64		62
12	78	78	82	9/	72	72	29	85	72	99	99	9/	84	78	82	89	80	71	82		71
13	64	62	56	57	56	62	46	09	54	56	44	20	48	52	28	52	48	62	09	•	62
14	84	89	99	19	62	64	74	72	70	80	26	64	74	89	54	28	52	72	64	7	72
15	71	89	47	28	64	74	99	63	56	52	20	64	26	24	52	89	46	61	29	9	61
16	09	62	64	09	28	89	09	56	99	89	52	29	64	52	99	09	62	29	09	9	67
17	9/	65											/						!		
200	73	61	99	68	64	09	58	64	48	09	54	64	28	20	09	26	09	52	65	(J	52
19	80	09	70	77	90	71	56	58	80	9/	99	74	72	99	09	64	25	47	99	4	47
20	20	70	71	80	68	88	88	09	99	72	71	64	09	92	64	58	62	99	64	9	99
21	09	54	44	52	56	54	49	57	22	09	28	99	54	55	64	24	48	51	64	4,	58
Summary:	Diastolic	lic BP,	, mmHg	- <del>1</del> g																	
average	72.5	68.7	66.2	64.2	64.2	65.6	62.6	61.8	63.7	65.7	59.6	63.0	64.9	63.9	63.4	64.5	60.2	63.6	63.2	63.9	o.
stdev	9.5	8.9	12.6	7.3	9.4	8.9	10.4	8.7	8.1	8.5	7.7	9.7	10.8	11.3	10.4	8.7	9.7	9.1	7.2	80	8.7
max	96	96	66	80	90	88	88	85	80	80	72	84	98	82	98	84	80	92	82	7	9/
i.	56	54	44	52	202	46	16	111	70	CL	7 7	7.0	0,	C	V	52	16	90	70	V	4

Subj \ Day	21	22	23	24	25	26	27	28	29	30	3	32	33	34	35		36		36 37	36 37 38	36 37 38
70	20	62	72	98	89	64	09	99	6	64	99	7)	5	200	40	i_		40	40	to to	04 04 05
		74	22	72	74	64	74	78	61	89	29	73		0/	63		<u>i</u>				
03		58	54	50	54	20	09	47	52	78	52	58	26	46	89		26	56 44	!	44	44 56
04	69	98	20	84	84	82	2	84	54	9/	92	74	82	82	20		99	89 99			
0.5	64	202	76	84	74		72	98													84
90	70	64	92	82	72	70	72	78	88	73	88	99	79	78	88	1	80	80 78		78	78 72
07	72	202	99	84	65	62	68	20	54	89	09	99			64		70	70 64		64	64 50
80	!	2																			71
80	22	9	70	69	89	80	76	97	98	63	56	64	56	54		1	99	99		28	58 64
10	64	71	86	80	74	85	78	70	72	68	55	89	64	74	64		89	58 72		72	72 76
17	64	72	64	9/	70	74	79	80	80	80	98	82	20	89	72	7	78	71		71	71 78
12	72	82	99	78	70	74	74	80	80	99	99	79	75	77	80	9	09	0 73		73	73 66 78
1 5	09	58	65	99	99	09	99	64	29	62	22	63	9/	58	61	2	53	3 66	99	66 64	66 64 62
14	89	85	89	99	89	80	85	72	65	80	84	72	83	92	65	ω	80	99 0	99	29 99	89 29 99
15	29	61	8	89	72	99	73	70	64	62	26	74	86	20	72	9	99	09 0		09	60 71
16	702	72		99	58	7.1	92	98	22		20	84	7.1	72	92	9	68	8 75		75	75 65
17				99												İ	+				
18	61	62			54	62	80		6	82		89	80	72	82			28		78	78
19	56	70	62	74	72	64	09	70	77	88	72	92	72	72	89	7	78	8 84		84 78	84 78 90
20	76	48	8		62	64	9/	78	72	74	89	70	71	74	70		-			78	
21	63	68			64	61		7.1	99			63	29	77	26	9	64	4	4	4 57	
Summary.	65.6	68.1	70.9	73.6	67.8	68.5	73.4	74.8	69.7	72.1	67.4	7.07	72.6	69.2	68.4	67.4	4	4 66.1		66.1	66.1 67.8
stdev	6.2	9.7	9.9	9.5	7.4	9.2	8.5	10.8	11.9	8.2	11.4	6.9	10.9	9.8	8.8	8.6	9	6 10.2		10.2 8.4 9	10.2 8.4 9.3 9
max	92	86	89	86	84	85	92	97	06	88	88	84	98	82	88	8	80	0 84	84	84 78	84 78 90
win	25	48	54	50	54	50	09	47	52	62	52	28	56	46	54	53	~	3 44		44	44 50

Units: mmHg

Table 6b-3 Vital Signs: Diastolic BP

Blank = Not Obtained

Subj \ Day	42	43	44	45	48	51	54	25	72	180
10	78	56	64	70	64	72	62	54	99	64
02				58						
03	50	99	58		56	09	56	54	09	09
04										
05				88		i				
90	70	78	62		86	78	80	70	62	84
07	72	74				64	26	80	64	82
80										99
60	09	28	99	62	62	62	62	99	74	76
10	99	9/	74	74		09	72			
7	48	65	89	80						
12	85	98	64	73	78	77	72	72	78	74
13	52	9	09	63	09	70	09	56	73	64
14										
15	55	99	20	99	09	09	99	09	84	78
16	99	99	64							80
17				;						
18	78	79		62	98	52	80	99	82	
19	74	46	72	80	88	74	78	65	89	
20	36	64	74	9/	89	99	72	58		
21	62	09	64	99	64	89	63	61	84	
Summary:										
average	63.5	6.99	64.8	9.07	70.2	66.4	9.79	63.8	72.0	72.8
stdev	13.4	10.4	6.7	8.8	12.0	7.7	8.6	8.1	8.5	8.6
max	85	86	74	88	88	78	80	80	84	84
min	36	46	20	58	56	52	56	54	09	09

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Figure 3: SD & Range Charts for Diastolic BP, mmHg

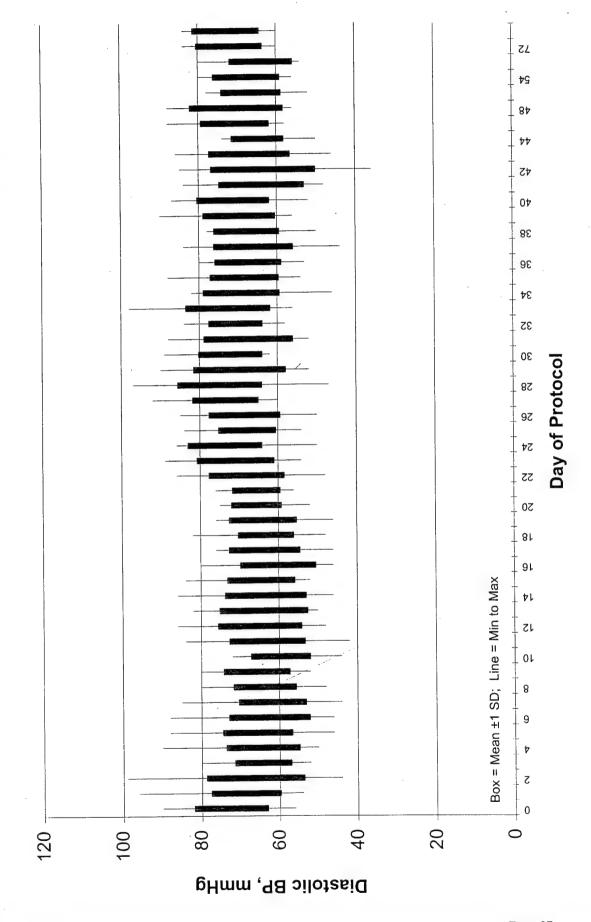
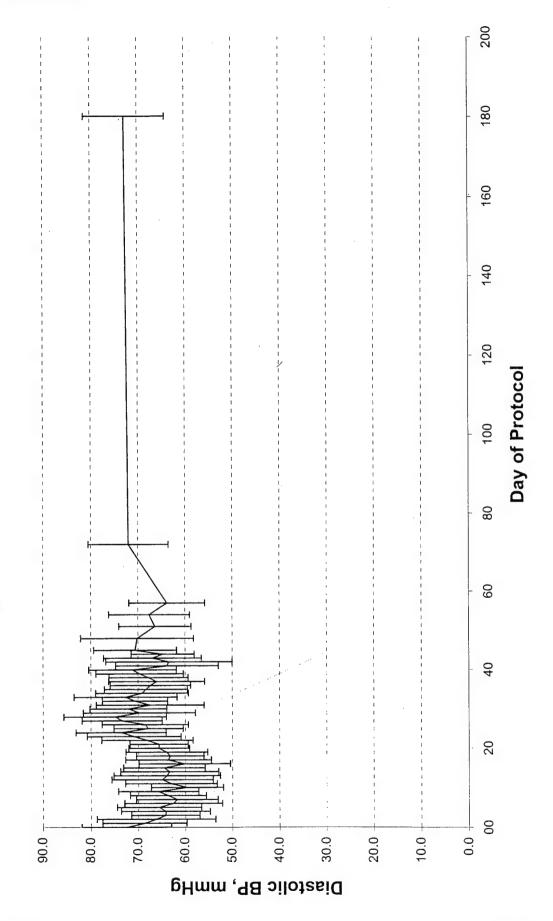


Figure 4: Diastolic BP, mmHg



Subi / Day	0	-	0	~	4	Ľ	9	7	œ	6	10	11	12	13	14	15	16	17	18	19	20
ound a cap	3	-	1	)	-			•													
10	88	7.1	70	61	62	52	63	71	74	09	22	56	11	57	98	58	62	82	9/	99	99
02	87	53	98	56	59	58	65	54	63	53	71	28	26	20	99	9/	61	26	20	55	61
03	77	64	73	69	51	57	52	61	61	55	56	89	65	87	69	29	29	59	58	22	91
04	80	65	65	64	9/	64	64	69	69	29	69	99	84	84	9/	9/	73	83	98	83	83
05	54	54	20	65	48	59	22	29	54	53	53	62	53	24	48	22	53	20	26	22	09
90	87	69	57	53	64	2	61	59	59	58	61	99	09	29	61	69	22	65	29	99	69
07	62	47	42	47	54	47	29	63	54	99	99	29	61	20	73	79	77	64	69	29	79
08	46	61	62	56	53	55	51	51	54	55	22										
60	52	52	20	53	51	53	47	52	52	52	55	20	46	20	48	22	48	22	47	49	47
10	83	74	7.1	74	83	74	9/	69	83	74	20	74	64	63	93	99	99	59	91	83	99
11	107	93	75	64	99	65	64	29	63	73	61	65	61	28	61	09	63	29	65	7.1	98
12	09	88	29	09	61	99	65	64	65	26	99	09	63	29	9	81	29	71	69	69	20
13	64	43	42	46	43	46	49	46	48	48	44	45	44	42	43	46	20	43	45	44	4
14	09	45	58	48	46	48	48	46	45	20	46	48	48	20	45	46	54	48	20	46	48
15	70	65	77	64	58	69	59	29	59	28	62	29	64	09	22	48	53	54	71	09	. 60
16	82	85	2	7.1	74	69	65	20	71	73	70	69	63	79	20	29	79	29	69	20	29
17	29	9/			_								/								
18	70	64	09	73	64	63	61	79	62	64	58	78	09	99	09	09	99	62	99	99	29
19	70	56	29	65	70	9/	29	74	29	84	09	77	69	73	99	87	64	63	69	20	59
20	62	54	65	64	52	63	63	63	55	92	8	29	9	29	99	09	61	29	90	62	69
21	71	20	59	20	26	69	63	61	70	99	57	63	09	57	78	59	29	99	29	58	1/2
Summary	Heart Rate,	Rate, B	BPM																		
Average	71.5	64.0	64.2	60.7	59.7	60.7	60.2	62.3	6.09	63.7	61.7	62.6	2.09	63.6	63.8	64.4	62.3	61.6	65.3	64.1	.99
Std Dev	14.6	i	12.9	8.6	10.5	9.0	7.5	9.0	9.3	11.8	10.0	9.0	9.5	12.0	13.4	11.8	8.6	10.2	13.6	12.0	13.0
Max	107	93	86	74	83	9/	92	79	83	92	90	78	84	87	93	87	79	83	86	83	91
Min	46		42	46	43	46	47	46	45	48	44	45	44	42	43	46	48	43	45	44	41

Subj / Day	21	22	23	24	22	56	27	78	59	99	3	32	33	34	35	36	37	38	39		40
10	71	7.1	77	96	80	91	61	71	29	09	99	70	62	65	65	62	73	73	69		93
02	65	81	52	99	71	69	85	77	79	87	88	114		107	85						
03	09	22	20	48	22	09	29	7.1	63	28	28	69	64	63	29	62	62	61	73	85	
04	83	92	110	89	93	93	91	100	7.1	83	74	85	81	83			78				
05	57	53	99	73	53		9/	63													
90	64	69	83	87	87	89	69	88	89	73	77	70	9/	83	73	20	9/	85	74	69	
07	89	20	91	89	70	93	85	74	09	77	61	69			99	53	99	49	9/	20	
80																					- 1
60	46	20	63	09	74	96	09	83	63	61	65	79	22	63		26	62	24	20	09	1
10	20	85	81	83	70	104	107	9/	89	91	91	73	81	91	93	63	81	79	54	87	
11	63	109	7.1	83	73	87	79	29	77	74	71	74	29	79	9/	74	74	74	9/	83	1
12	99	20	7.1	83	83	88	77	85	74	20	64	81	99	81	71	65	69	70	83	92	
13	45	48	69	74	62	65	44	20	53	74	48	63	81	29	99	26	62	22	54	63	
14	20	22	83	22	09	64	59	56	62	26	53	53	55	20	52	79	20	22	53	53	
15	52	61	84	85	74	71	79	64	74	79	9/	81	94	73	92	79	69	83	83	85	
16	74	85		104	85	101	81	81	87		79	70	77	70	73	8.1	83	77	71	88	
17																					, ļ
18	73	77	:		85	83	88		96	87		81	91	83	104		85	89		79	
19	56	79	29	70	70	99	74	64	79	89	99	70	70	79	69	73	73	69	81	64	
20	70	63	99		28	62	63	09	63	61				61	53				61	51	-
21	09	62			61	28		55	28			62	69	77	61	62			22	65	
Summary																					
Average	64.1	70.9	75.1	77.9	72.5	81.7	74.3	72.4	73.3	73.8	69.1	75.1	73.0	75.6	73.0	67.2	6.07	69.5	68.9	72.5	72.1
Std Dev	11.7	15.7	13.4	15.0	11.4	15.5	15.0	13.0	12.3	11.8	12.0	13.0	11.6	12.3	14.9	9.5	9.4	12.8	12.4	14.4	•
Max	89	109	110	104	93	104	107	100	96	91	91	114	94	107	104	81	85	83	83	93	İ
Min	45	48	52	48	53	9	44	50	53	55	48	53	55	50	52	53	50	49	50	50	

002		43	44	45	48	21	54	22	72	180
05	63	64	59	61	64	53	69	69	77	76
03	87	79	74	74	81	81	99	99	73	62
04										
05										
90	29	52	59	7.1	11	29	77	29	61	77
07	69	46				7.1	20	83	73	20
80						1	-			
60	20	45	69	52	51	09	22	89	53	69
10	99	65	79	87		79	93			
11	64	62	73	89			!	1		
12	74	74	09	62	9/	85	99	82	69	70
13	45	20	09	69	53	61	61	52	61	65
14										
15	09	7.1	65	9/	9/	20	73	28	107	93
16	63	73	91							
18	59	59	83	83	9/	83	91	85	68	į
19	9/	9/	69		85	81	79	92	59	
20	57	62	61	61	58	73	99	59		
21	61	74	77	69	77	91	74	20	62	
Summary										
Average	63.7	62.7	69.4	71.4	69.7	72.0	71.5	9.69	72.2	70.3
Std Dev	10.3	11.2	10.1	11.3	11.7	11.1	11.4	12.0	15.5	12.6
Max	87	79	91	89	85	85	93	89	107	93
Min	45	45	59	52	51	53	56	52	53	50

SD & Range Charts for Heart Rate, BPM Figure 5:

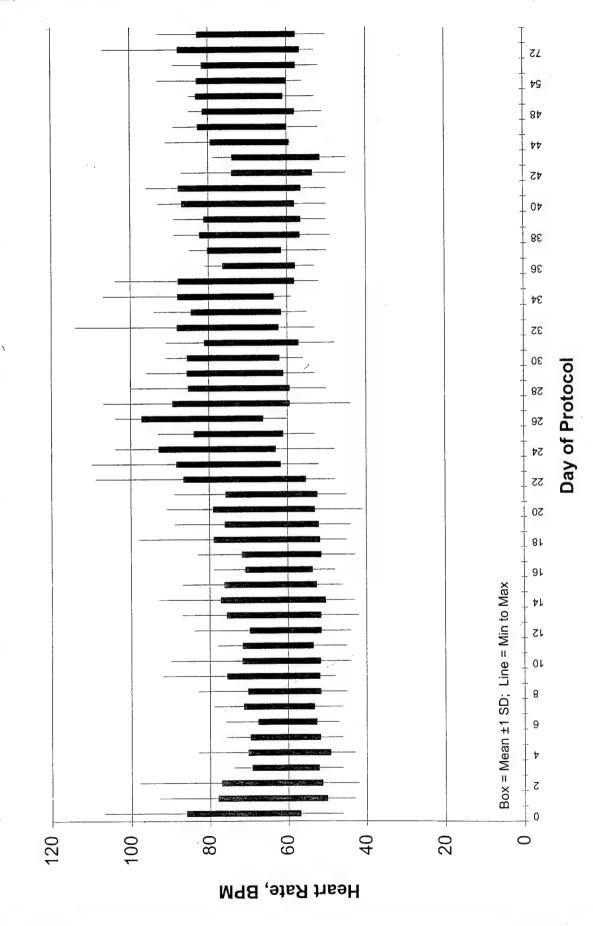
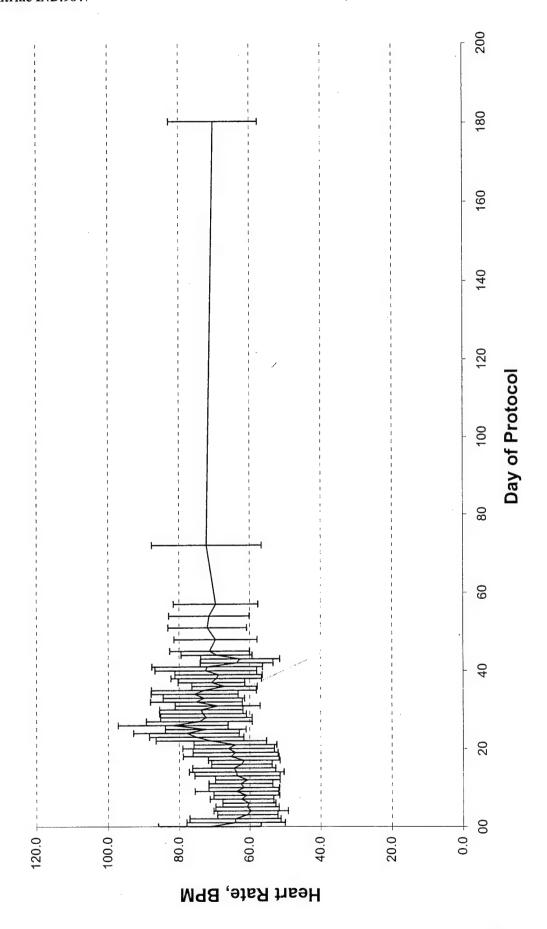


Figure 6: Heart Rate, BPM



## Table 6d-1 Vital Signs: Body Temperature

Subj \ Day	00	-	2	က	4	2	9	7	8	6	10	1	12	13	14	15	16	17	18	19	20
01	37.0	35.8	36.1	35.6	35.3	35.7	36.2	36.2	35.6	36.1	36.2	35.7	35.6	35.5	36.1	35.5	36.1	36.5	36.0	35.9	36.4
02		36.4	36.2	35.8	38.7	35.5	36.2	36.3	36.6	36.8	37.1	36.7	36.3	36.2	35.4	36.2	35.5	35.5	35.6	36.2	35.5
03	36.6	36.6	36.6	36.1	36.4	36.7	36.6	36.4	37.0	36.8	37.1	36.7	36.3	36.6	36.1	36.7	36.7	37.0	37.0	36.7	36.8
04	36.9	36.7	36.7	36.4	36.7	36.7	36.5	36.8	36.7	36.8	36.5	36.7	36.8	36.9	36.9	36.7	36.9	36.5	37.8	37.7	36.6
05	36.3	36.1	36.2	36.7	35.8	35.9	36.2	36.4	36.1	36.2	36.2	36.0	36.3	36.3	36.3	36.0	36.0	35.9	36.5	35.9	36.4
90	37.0	36.6	36.0	35.9	34.4	36.0	36.0	36.2	35.8	36.3	35.8	36.3	35.9	35.9	35.9	36.0	36.3	36.8	36.6	36.7	36.3
20	36.2	36.3	35.4	35.9	36.7	35.9	36.0	36.2	35.8	36.3	35.8	36.3	35.9	35.9	35.9	36.0	36.3	36.8	36.6	36.7	36.3
80	36.6	36.0	36.3	36.1	35.9	36.1	36.1	36.0	36.0	36.4	36.2										
60	36.6	36.1	36.6	36.0	36.1	36.0	36.0	36.2	36.2	36.2	36.4	36.1	35.8	36.2	36.1	36.2	36.3	36.3	35.9	36.1	36.1
10	37.0	36.7	36.9	36.7	36.9	36.9	37.4	37.1	36.3	36.4	36.9	36.8	36.8	36.7	35.5	36.7	36.9	36.9	36.9	38.1	36.5
11	36.8	37.6	37.3	36.6	36.6	36.0	36.7	36.4	36.6	36.7	36.7	36.3	36.4	36.2	36.3	36.3	36.0	36.2	35.8	36.4	36.2
12	35.6	35.6	35.5	35.6	35.6	35.8	35.0	35.6	36.0	36.3	35.9	35.7	36.0	35.6	35.5	36.4	35.6	36.2	36.4	36.1	35.5
13	36.9	36.2	36.0	35.9	36.1	36.0	35.9	36.0	36.2	36.2	35.5	35.9	35.7	35.7	36.1	35.6	35.0	36.2	35.5	35.8	35.8
14	36.5	36.6	36.4	36.3	36.4	36.4	36.3	36.3	36.2	36.4	36.5	36.5	36.5	36.1	36.5	36.6	36.4	36.6	36.5	36.5	36.5
15	35.6	35.6	36.2	35.8	36.0	35.6	35.4	36.0	36.2	36.1	35.7	35.5	35.7	35.7	35.7	35.3	36.0	36.0	36.0	36.0	35.5
16	36.5	36.7	36.2	36.0	36.4	36.3	35.9	36.4	36.3	36.4	36.2	36.0	36.5	36.5	36.2	36.0	36.0	36.5	36.1	36.3	36.2
17	37.0	36.1																			
18	36.4	36.0	36.2	36.1	36.0	36.2	36.7	36.1	36.1	36.0	36.0	36.1	36.1	36.1	36.4	36.2	36.4	36.1	36.4	36.6	36.1
19	37.0	36.5	36.3	36.2	36.3	36.3	36.3	36.3	36.0	36.4	35.6	36.4	36.1	36.0	36.2	36.5	37.0	35.2	35.8		36.2
20	36.8	36.2	36.2	36.2	36.3	36.1	36.1	36.3	36.4	36.4	36.2	36.4	36.0	36.0	36.4	36.4	36.0	36.1	36.4	37.1	36.4
21	36.7	35.8	36.5	36.3	36.1	36.3	35.9	36.4	35.8	36.1	36.4	36.1	35.9	36.1	35.8	35.9	35.8	36.4	36.6	35.9	36.0
Summary	<b>Body Temperature</b>	mpera	_	၁့																	
Average	36.6	36.3	36.3	36.1	36.2	36.1	36.2	36.3	36.2	36.4	36.2	36.2	36.1	36.1	36.1	36.2	36.2	36.3	36.3	36.5	36.2
Std Dev	0.4	0.5	0.4	0.3	0.8	0.4	0.5	0.3	0.3	0.2	0.5	0.4	0.4	4.0	4.0	4.0	0.5	0.5	9.0	9.0	0.4
Max	37.0	37.6	37.3	36.7	38.7	36.9	37.4	37.1	37.0	36.8	37.1	36.8	36.8	36.9	36.9	36.7	37.0	37.0	37.8	38.1	36.8
Min	35.6	35.6	35.4	35.6	34.4	35.5	35.0	35.6	35.6	36.0	35.5	35.5	35.6	35.5	35.4	35.3	35.0	35.2	35.5	35.8	35.5

Units: °C

Table 6d-2 Vital Signs: Body Temperature

3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	36.4 36.3 36.3 36.3 36.3 36.3 36.3 36.3	36.7 36.4 36.4 36.9 36.0 36.0 36.0 36.0 36.0 36.0 36.0 36.0	36.5 36.4 36.7 36.3 36.9 36.7 36.3 36.8 37 36.8 37 36.9 36.7 36.8 37 36.9 36.9 36.9 36.9 36.9 36.0 36.0 36.1 36.9 36.1 36.9 36.1 36.9 36.1 36.9 36.1 36.9 36.1 36.9 36.1 36.0 36.1 36.1 36.9 36.1 36.1 36.1 36.1 36.1 36.1 36.1 36.1	30 31 32 33 35.2 36.7 36.3 36.0 35 36.5 36.4 38.2 36.3 36.5 36.9 36.7 36.7 36.2 36 36.9 36.7 36.7 37.0 37 36.0 36.4 36.1 36.5 36.3 36.4 36.1 36.5 36.3 36.4 36.1 36.5 36.3 36.4 36.1 36.5 36.3 36.4 36.1 36.5 36.3 36.4 36.1 36.3 36.4 36.1 36.3 36.4 35 36.5 36.1 36.3 36.4 36 36.6 36.3 36.1 36.3 36.1 36.3 36.7 36.3 36.7 36.8	30     31     32     33     34       35.2     36.7     36.3     36.0     35.4     34       36.5     36.4     38.2     36.0     35.4     34       36.5     36.4     38.2     36.3     36.9     36       36.9     36.7     36.7     36.9     36       36.0     36.7     36.7     37.0     37.1     36       36.0     36.7     36.7     36.9     36       36.1     36.2     36.4     36.3     36.4     36       36.2     36.4     36.1     36.5     36.3     36.4     36       36.3     36.4     36.1     36.5     36.3     36.4     36       36.3     36.4     36.1     36.3     36.4     36.3     36.3       36.1     36.3     36.1     36.3     36.1     36       36.5     36.7     36.3     36.1     36       36.6     36.5     36.1     36       36.1     36.3     36.7     36.3     36.1       36.6     36.5     36.1     36       36.1     36.3     36.7     36.3     36.1       36.2     36.5     36.1     36.3     36.1     36.3	30     31     32     33     34     35       35.2     36.7     36.3     36.0     35.4     34.6     36       36.5     36.4     36.3     36.0     35.4     34.6     36       36.5     36.4     38.2     36.9     36.9     36.9       36.4     36.2     36.8     36.9     36.6     36       36.9     36.7     36.2     36.8     36.9     36.6     36       36.9     36.7     36.7     36.9     36.6     36.9     36.6     36       36.9     36.7     36.7     36.9     36.0     36.3     36       36.9     36.7     36.7     36.3     36.3     36.3     36.3       36.9     36.9     36.9     36.9     36.3     36.3     36.3     36.3       36.1     36.1     36.9     36.4     35.1     36.9     36.1     36.3       36.1     36.2     36.9     36.1     36.1     36.1     36.1     36.1       36.2     36.7     36.9     36.7     36.1     36.1     36.1     36.1       36.2     36.7     36.3     36.1     36.1     36.1     36.1     36.1     36.1       36.2 <th>30         31         32         33         34         35         36           35.2         36.7         36.3         36.0         35.4         34.6         36.0           36.5         36.4         38.2         36.9         36.9         36.0           36.5         36.4         38.2         36.8         36.5         36.6           36.9         36.7         36.2         36.8         36.5         36.6           36.9         36.7         36.9         36.6         36.6           36.9         36.7         36.9         36.7         36.3           36.9         36.4         36.1         36.5         36.4           36.9         36.4         36.9         36.4         36.5           36.9         36.4         36.9         36.6         36.4           36.3         36.4         36.5         36.3         36.7           36.3         36.4         36.5         36.4         35.8           36.3         36.4         36.5         36.4         36.7           36.3         36.4         35.3         36.4         36.4           36.8         36.1         36.3         36.1</th> <th>30         31         32         33         34         35         36         37         3           35.2         36.7         36.3         36.0         35.4         34.6         36.0         36.3         35.3           36.5         36.4         38.2         38.3         36.9         36.3         36.3         35.3         36.3         36.3         35.3         36</th> <th>30         31         32         33         34         35         36         37         38         37           36.2         36.7         36.3         36.0         36.4         34.6         36.0         36.3         35.2         36.0           36.5         36.7         36.2         36.0         36.9         36.0         36.5         36.7         35.2         36.0           36.4         36.5         36.2         36.8         36.5         36.5         36.7         35.2         36.7         35.2         36.7         36.7         36.7         36.7         36.5         36.7         36.7         36.9         36.8         36.5         36.6         36.5         36.7         36.7         36.2         36.8         36.6         36.8         36.7         36.9         36.9         36.7         36.7         36.7         36.7         36.2         36.7         36.2         36.7         36.2         36.7         36.2         36.8         36.9         36.9         36.9         36.7         36.2         36.9         36.7         36.2         36.7         36.2         36.7         36.2         36.7         36.2         36.2         36.7         36.2         36.2<!--</th--><th>30         31         32         33         34         35         36         37         38         39           36.2         36.7         36.3         36.0         36.3         36.2         36.6         36.9         36.7         36.9         36.7         36.9         36.7         36.9         36.7         36.9         36.9         36.9         36.9         36.9         36.9         36.7         36.9         36.7         36.9         36.7         36.9         36.7         36.9         36.7         36.9</th></th>	30         31         32         33         34         35         36           35.2         36.7         36.3         36.0         35.4         34.6         36.0           36.5         36.4         38.2         36.9         36.9         36.0           36.5         36.4         38.2         36.8         36.5         36.6           36.9         36.7         36.2         36.8         36.5         36.6           36.9         36.7         36.9         36.6         36.6           36.9         36.7         36.9         36.7         36.3           36.9         36.4         36.1         36.5         36.4           36.9         36.4         36.9         36.4         36.5           36.9         36.4         36.9         36.6         36.4           36.3         36.4         36.5         36.3         36.7           36.3         36.4         36.5         36.4         35.8           36.3         36.4         36.5         36.4         36.7           36.3         36.4         35.3         36.4         36.4           36.8         36.1         36.3         36.1	30         31         32         33         34         35         36         37         3           35.2         36.7         36.3         36.0         35.4         34.6         36.0         36.3         35.3           36.5         36.4         38.2         38.3         36.9         36.3         36.3         35.3         36.3         36.3         35.3         36	30         31         32         33         34         35         36         37         38         37           36.2         36.7         36.3         36.0         36.4         34.6         36.0         36.3         35.2         36.0           36.5         36.7         36.2         36.0         36.9         36.0         36.5         36.7         35.2         36.0           36.4         36.5         36.2         36.8         36.5         36.5         36.7         35.2         36.7         35.2         36.7         36.7         36.7         36.7         36.5         36.7         36.7         36.9         36.8         36.5         36.6         36.5         36.7         36.7         36.2         36.8         36.6         36.8         36.7         36.9         36.9         36.7         36.7         36.7         36.7         36.2         36.7         36.2         36.7         36.2         36.7         36.2         36.8         36.9         36.9         36.9         36.7         36.2         36.9         36.7         36.2         36.7         36.2         36.7         36.2         36.7         36.2         36.2         36.7         36.2         36.2 </th <th>30         31         32         33         34         35         36         37         38         39           36.2         36.7         36.3         36.0         36.3         36.2         36.6         36.9         36.7         36.9         36.7         36.9         36.7         36.9         36.7         36.9         36.9         36.9         36.9         36.9         36.9         36.7         36.9         36.7         36.9         36.7         36.9         36.7         36.9         36.7         36.9</th>	30         31         32         33         34         35         36         37         38         39           36.2         36.7         36.3         36.0         36.3         36.2         36.6         36.9         36.7         36.9         36.7         36.9         36.7         36.9         36.7         36.9         36.9         36.9         36.9         36.9         36.9         36.7         36.9         36.7         36.9         36.7         36.9         36.7         36.9         36.7         36.9
		36.7 36.7 36.4 36.4 36.4 36.4 36.4 36.4 36.4 36.4	36.7 36.3 36.4 38.2 36.2 36.7 36.7 36.7 36.3 36.7 36.4 36.1 36.4 36.1 36.4 36.1 36.4 36.1 36.4 36.1 36.4 36.1 36.4 36.1 36.4 36.1 36.7 36.3 36.7 36.3 36.7 36.3	36.7     36.3     36.0     35       36.4     38.2     38       36.2     36.7     36.2     36       36.2     36.7     36.3     37.0     37       36.7     36.7     37.0     37       36.3     36.7     36.3     36     36       36.4     36.1     36.6     36       36.4     36.1     36.6     36       36.4     36.1     36.9     36       36.4     36.1     36.9     36       36.1     36.3     36.4     36.3       36.1     36.2     36.9     36       36.2     36.3     36.7     36       36.3     36.5     36.1     36       36.1     36.3     36.1     36       36.3     36.5     36.1     36       36.3     36.7     36.3     36.1     36       36.3     36.7     36.3     36.4     36       36.3     36.7     36.3     36.3     36.3       36.3     36.7     36.3     36.3     36.4     36       36.3     36.7     36.3     36.4     36       36.3     36.7     36.3     36.4     36       36.3	36.7     36.3     36.0     35.4       36.4     38.2     38.3       36.2     36.7     36.2     36.8       36.7     36.7     36.9     37.0     36.9       36.7     36.7     36.7     36.4       36.4     36.1     36.6     36.4       36.4     36.1     36.6     36.4       36.4     36.9     36.6     36.4       36.4     36.1     36.3     36.1       36.3     36.1     36.3     36.1       36.1     36.2     36.9     36.1       36.2     36.3     36.7     36.1       36.3     36.5     36.1     36.0       36.4     36.5     36.1     36.1       36.7     36.3     36.7     36.1       36.6     36.1     36.3     36.1       36.7     36.3     36.7     36.1       36.3     36.7     36.3     36.7       36.3     36.7     36.3     36.7       36.3     36.7     36.3     36.1       36.3     36.7     36.3     36.7       36.3     36.7     36.3     36.7       36.3     36.7     36.4     36.0       36.3     36.7	36.7     36.3     36.0     35.4     34.6     36       36.4     38.2     38.3     36.9       36.2     36.7     36.8     36.5     36       36.2     36.8     37.0     36.9     36.5     36       36.7     36.9     36.9     36.5     36       36.7     36.7     37.0     37.1     36.0     35       36.3     36.7     37.0     37.1     36.0     36       36.4     36.7     36.5     36.3     36.3     36       36.4     36.1     36.5     36.3     36.1     36.3       36.4     36.1     36.2     36.3     36.1     36.3       36.4     36.1     36.3     36.3     36.3     36.3       36.1     36.3     36.3     36.1     36.5     36.3       36.1     36.6     36.1     36.1     36.1     36.1       36.6     36.7     36.1     36.0     36.1     36.0       36.7     36.5     36.1     36.0     36.0       36.7     36.3     36.1     36.0     36.0       36.1     36.3     36.1     36.0     36.0       36.3     36.7     36.0     36.1     36.0 </td <td>36.7     36.3     36.0     35.4     34.6     36.0       36.4     38.2     38.3     36.9       36.2     36.7     36.2     36.8     36.5     36.6       36.7     36.8     37.0     36.9     36.6     36.6       36.7     36.8     37.0     36.9     36.6     36.6       36.7     36.7     37.0     37.1     36.9     36.6       36.3     36.7     37.0     37.1     36.9     36.7       36.4     36.7     36.7     36.4     36.5     36.7       36.4     36.9     36.6     36.4     36.7     36.4       36.4     36.9     36.0     36.4     36.5     36.1       36.4     36.9     36.1     36.7     36.7       36.1     36.9     36.1     36.7     36.1       36.7     36.6     36.1     36.7     36.7       36.7     36.6     36.1     36.7     36.0       36.7     36.5     36.1     36.0     36.3       36.7     36.6     36.1     36.0     36.3       36.7     36.3     36.0     36.3       36.3     36.1     36.0     36.0       36.3     36.1</td> <td>36.7     36.3     36.0     35.4     34.6     36.0     36.3       36.4     38.2     38.3     36.9     36.5     36.5       36.2     36.8     36.9     36.6     36.8       36.2     36.8     36.5     36.6     36.8       36.7     36.9     36.6     36.8     36.5       36.7     36.7     36.9     36.6     36.8       36.7     36.7     36.9     36.6     36.8       36.3     36.7     36.9     36.6     36.9       36.4     36.9     36.6     36.4     36.6       36.4     36.9     36.6     36.4     36.6       36.4     36.9     36.0     36.3     36.7     36.6       36.4     36.9     36.0     36.3     36.7     36.6       36.4     36.6     36.3     36.1     36.3     36.4       36.1     36.2     36.1     36.7     36.5       36.1     36.2     36.1     36.7     36.5       36.1     36.1     36.1     36.7     36.4       36.2     36.1     36.1     36.7     36.4       36.2     36.1     36.1     36.1     36.7       36.2     36.1</td> <td>36.7     36.3     36.0     35.4     34.6     36.0     36.3     35.2     36.       36.4     38.2     38.3     36.9     36.9     36.5     36.7     35.2     36.       36.2     36.2     36.8     36.5     36.6     36.5     36.7     35.       36.2     36.8     36.9     36.6     36.6     36.8     36.7     36.       36.7     36.9     36.6     36.6     36.6     36.9     36.9     36.       36.7     36.7     37.0     37.1     36.0     35.9     36.9     36.       36.7     36.7     36.9     36.6     36.5     36.9     36.9     36.       36.4     36.1     36.5     36.4     36.5     36.9     36.9     36.       36.4     36.1     36.5     36.4     36.5     36.3     36.3     36.       36.4     36.1     36.3     36.1     36.1     36.1     36.1     36.1     36.1       36.7     36.2     36.3     36.1     36.1     36.1     36.1     36.1     36.1     36.1       36.7     36.6     36.1     36.1     36.1     36.1     36.1     36.2     36.3       36.6     36.6</td> <td>36.7       36.3       36.0       35.4       34.6       36.0       36.3       35.2       36.6         36.4       38.2       36.9       36.9       36.9       36.5       36.5       36.6         36.2       36.2       36.2       36.9       36.9       36.9       36.7       35.7         36.2       36.3       36.3       36.6       36.6       36.5       36.7       36.7         36.7       36.3       37.0       37.1       36.0       36.5       36.9       36.4         36.7       36.7       36.7       36.6       36.9       36.9       36.4         36.4       36.7       36.6       36.3       36.7       36.9       36.2         36.4       36.1       36.9       36.1       36.9       36.9       36.2         36.4       36.6       36.3       36.7       36.5       36.3       36.2         36.4       36.9       36.4       36.5       36.1       36.3       36.5         36.4       36.9       36.1       36.2       36.3       36.3       36.2         36.1       36.9       36.1       36.1       36.1       36.1       36.2       36.2<!--</td--></td>	36.7     36.3     36.0     35.4     34.6     36.0       36.4     38.2     38.3     36.9       36.2     36.7     36.2     36.8     36.5     36.6       36.7     36.8     37.0     36.9     36.6     36.6       36.7     36.8     37.0     36.9     36.6     36.6       36.7     36.7     37.0     37.1     36.9     36.6       36.3     36.7     37.0     37.1     36.9     36.7       36.4     36.7     36.7     36.4     36.5     36.7       36.4     36.9     36.6     36.4     36.7     36.4       36.4     36.9     36.0     36.4     36.5     36.1       36.4     36.9     36.1     36.7     36.7       36.1     36.9     36.1     36.7     36.1       36.7     36.6     36.1     36.7     36.7       36.7     36.6     36.1     36.7     36.0       36.7     36.5     36.1     36.0     36.3       36.7     36.6     36.1     36.0     36.3       36.7     36.3     36.0     36.3       36.3     36.1     36.0     36.0       36.3     36.1	36.7     36.3     36.0     35.4     34.6     36.0     36.3       36.4     38.2     38.3     36.9     36.5     36.5       36.2     36.8     36.9     36.6     36.8       36.2     36.8     36.5     36.6     36.8       36.7     36.9     36.6     36.8     36.5       36.7     36.7     36.9     36.6     36.8       36.7     36.7     36.9     36.6     36.8       36.3     36.7     36.9     36.6     36.9       36.4     36.9     36.6     36.4     36.6       36.4     36.9     36.6     36.4     36.6       36.4     36.9     36.0     36.3     36.7     36.6       36.4     36.9     36.0     36.3     36.7     36.6       36.4     36.6     36.3     36.1     36.3     36.4       36.1     36.2     36.1     36.7     36.5       36.1     36.2     36.1     36.7     36.5       36.1     36.1     36.1     36.7     36.4       36.2     36.1     36.1     36.7     36.4       36.2     36.1     36.1     36.1     36.7       36.2     36.1	36.7     36.3     36.0     35.4     34.6     36.0     36.3     35.2     36.       36.4     38.2     38.3     36.9     36.9     36.5     36.7     35.2     36.       36.2     36.2     36.8     36.5     36.6     36.5     36.7     35.       36.2     36.8     36.9     36.6     36.6     36.8     36.7     36.       36.7     36.9     36.6     36.6     36.6     36.9     36.9     36.       36.7     36.7     37.0     37.1     36.0     35.9     36.9     36.       36.7     36.7     36.9     36.6     36.5     36.9     36.9     36.       36.4     36.1     36.5     36.4     36.5     36.9     36.9     36.       36.4     36.1     36.5     36.4     36.5     36.3     36.3     36.       36.4     36.1     36.3     36.1     36.1     36.1     36.1     36.1     36.1       36.7     36.2     36.3     36.1     36.1     36.1     36.1     36.1     36.1     36.1       36.7     36.6     36.1     36.1     36.1     36.1     36.1     36.2     36.3       36.6     36.6	36.7       36.3       36.0       35.4       34.6       36.0       36.3       35.2       36.6         36.4       38.2       36.9       36.9       36.9       36.5       36.5       36.6         36.2       36.2       36.2       36.9       36.9       36.9       36.7       35.7         36.2       36.3       36.3       36.6       36.6       36.5       36.7       36.7         36.7       36.3       37.0       37.1       36.0       36.5       36.9       36.4         36.7       36.7       36.7       36.6       36.9       36.9       36.4         36.4       36.7       36.6       36.3       36.7       36.9       36.2         36.4       36.1       36.9       36.1       36.9       36.9       36.2         36.4       36.6       36.3       36.7       36.5       36.3       36.2         36.4       36.9       36.4       36.5       36.1       36.3       36.5         36.4       36.9       36.1       36.2       36.3       36.3       36.2         36.1       36.9       36.1       36.1       36.1       36.1       36.2       36.2 </td

## Table 6d-3 Vital Signs: Body Temperature

Blank = Not Obtained

Subj \ Day	42	43	44	45	48	51	54	22	72	180
			1	1		1		0		0
01	36.0	36.1	35.4	35.1	36.0	35.8	36.1	36.3	35.8	36.0
02					:					
03	36.9	37.0	35.7	35.9	36.5	37.0	36.6	36.0	36.2	36.7
04										
05										
90		36.2	36.4	36.4	36.6	36.3	36.6	36.4	36.7	36.7
07	37.2	35.8				36.4	36.1	37.1	36.7	36.4
80										
60		36.1	36.3	36.5	36.2	36.7	36.2	36.5	36.2	36.8
10	36.7	36.6	36.4	36.6		36.7	36.1			
11	36.4	36.5	36.4	36.6						
12	35.8	35.8	35.6	35.8	36.0	35.0	35.5	35.0	36.0	35.3
13	36.0	35.0	35.5	36.0	36.6	35.9	35.8	36.6	36.6	35.4
14		i								!
15	36.1	36.0	36.4	35.2	35.8	35.5	36.5	36.2	36.7	35.1
16	36.2	36.6	36.9						36.5	36.7
17		to the work of the latest the lat					, ;			
18		36.1		36.1	36.7	36.1	36.4	36.7	35.7	
19		36.3	36.4		37.0	36.1	36.4	35.9	36.6	
20	36.4	36.6	36.3	36.0	36.5	36.8	36.8	36.1		
21	36.0	36.6	36.4	36.3	36.5	37.2	36.2	36.4	36.2	
Summary										
Average	36.3	36.2	36.2	36.0	36.4	36.3	36.3	36.3	36.3	36.1
Std Dev	0.4	0.5	0.5	0.5	0.4	0.6	0.4	0.5	0.4	0.7
Max	37.2	37.0	36.9	36.6	37.0	37.0	36.8	37.1	36.7	36.8
Min	35.8	35.0	35.4	35.1	35.8	35.0	35.5	35.0	35.7	35.1

Figure 7: SD & Range Charts for Body Temperature, °C *†* Box = Mean ±1 SD; Line = Min to Max ÞΙ Body Temperature, °C

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Day of Protocol

200 180 160 140 Figure 8: Body Temperature, °C 120 Day of Protocol 100 80 9 40 20 00 34.5 37.5 36.5 35.5 35.0 38.0 36.0 Body Temperature, °C

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Ha	alofa	ıntr	ine	IN	D:9	984	7															•					
16				158	146	169	181		164	. 165	148.5	183	140	163	152	167.5		152	171	175	202			164.8	15.8	202	140
15				159.5	146	170	179		164	165	149	182	141	164	152	166		151	172	175	202			164.8	15.5	202	141
14				159	146	169.5	173		164	165	148	182	141	162	152	166		152	172	176.	202			164.3	15.3	202	141
13				159	147	170	173		175	166	146	184	141	162	152	167		150	172	175	202			165.1	15.9	202	141
12				158	145	170	173		167	165	146	184	140	162	153	165		150	172	174.5	204			164.3	16.2	204	140
7				157	147	168	172		165	164	146	184	140	162	152	165		144	171	174	203			163.4	16.2	203	140
10				156	148	169	174	125	169	164	146	183	140	163	152	165		150	173	173	200			161.8	17.6	200	125
6				155	147	170	172	125	165.5	164	146	184	140	163	152	165		148	177	174	203			161.8	18.4	203	125
80				154	148	169	169	125	165	164	146	185	140	162	152	165		148	173	173	202			161.2	17.9	202	125
7						170	170	125	164	162	146	182	139	162	154	163.5		144	174	172	200			161.8	18.4	200	125
9						170	171	126	166	161	145	182	139	162	153	165		145	174	175	200			162.3	18.5	200	126
2						170	164	125	164	161	146	182	140	161	153	165		145	174	175	200			161.7	18.4	200	125
4						169	167	125	164	161	146	182	139	161	154	162		145	175		199			160.6	18.6	199	125
8						166	164	125	166	163	148	182	139	161	153	163		145	176	172.5	200			161.6	18.2	200	125
7						166	160	125	166	161	148	180	139	163	153	163		145	176	170	200			161.0	18.0	200	125
-						169	160	127	167	167	148	181	137		154	166	168	145	178	170	202		ght, Lb	162.6	18.6	202	127
8																	:				206		Body Weight, Lb	206.0		206	206
Subj \ Day	0.1	02	03	04	05	90	07	80	60	10	11	12	13	14	15	16	17	18	19	20	21	The second secon	Summary:	Average	Std Dev	Max	Min

Units: Pounds

Table 6e-2 Body Weight

Blank = Not Obtained

Subj / Day	01	02	03	04	05	90	70	08	60	10	11	12	13	41	15	16	17	18	19	20	21	Summary:	Average	Std Dev	Max	
17				160	146	170	179		164	165	147	183.7	140	166	152	167		152	171	175	201		164.9	15.7	201	
18				159	146	170	178.5		166	168	147	185	140	165	152	167	:	151	172	178	202		165.4	16.2	202	
19				159	144	170.5	178.5		165	166	147	183	141	163	152	167		152	173	178	204		165.2	16.4	204	
70			-	159	145	172	181.5		167	168	147	182	140	164	153	168		152	173	177	200		165.5	15.8	200	
21				159	144	173.5	179		166	169	148	183	140	164	153	168		152	172	179	202		165.7	16.2	202	
22				159	145	171	178		166	168	147	180	142	167	153	168		153	171	180	202		165.6	15.6	202	
23				163.5	148	171	179		169	168	150	185	140	168	154				172				164.0	13.4	185	
24				169	150	172	181.5		166	168	148	185	141	167	154	168			179	180			166.3	13.5	185	
25				169	150	175	182		163	168	150	184	141	167	154	168		152	176	182.5	204		167.8	16.2	204	,,,
26				163		174	180		162	168	148	184	142	167	156	170		152	178	181	204		168.6	15.9	204	0
27				162		173.5	176		164	168	150	184	142	165	157	170		151	175	181			165.6	12.3	184	077
28		221		163	150	173	177		164	168	150	184	140	165	154	170			178	180			169.1	19.0	221	077
29	150	214	148	163		172	178		164	168	154	182	141	165	158	171		151.5	177	177	204		168.8	18.7	214	777
20	148	214	148	148		172	180		167	167	152	182	142	166	156	i		151	180	180	202		168.1	20.5	214	7.70
15	151	216	148	148		172	180		167.5	170	149	184	140	165	156	170			176	181			167.1	18.9	216	7 70
32	152		148	148		172	178		168	169	150	183	139.5	167	151	171		152.5	178	179	205		165.4	16.9	205	440

Units: Pounds

Table 6e-3 Body Weight

Subj \ Day	01	02	03	04	05	90	70	80	60	10	11	12	13	14	15	16	17	18	19	20	21	Summary:	Average 1	Std Dev	
33	150	206	151	151		173			168	169	153	184	139	165	151			153	176	177	207		167.1	19.8	
34	150	206	150	150		171			166	168	151	183	139	165	156	174		155	175	178	208		167.4	19.2	
35	149.5		150	163		170				168	151	183	141	164	156	172		153			208		163.7	17.6	
36	150		150	164		171			i :	165	151	183	141	167	160				177		206		165.4	17.7	The same of the sa
37	150		149.7	162		172				168	149	182	140	168	159	171		151	178				161.5	12.9	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, T
38	151		151			172.5				167	150	183	139	168	155	170		145	176	182			162.3	14.5	The state of the s
39	149.5		152			172			1	165	150	183	145	168	158	171			179	180	205		167.5	16.9	
40	150		151.5			172			ARREST SPARENCE AND ARREST	165	148	182	139	166	156	171		152	178	180	206		165.5	17.7	
14	149		151			169				165	144	184	139	168	159	171		150	175		204		163.7	17.9	
42	149		146			169				167	148	184	136		156	169	/	150	173	179	204		163.8	18.7	-
43	148		144			172				167	150	182	137		158	168			173	179			161.6	12.1	
44	149		150			172				169	144	183	136		161	169			177	181	204		166.2	19.3	
45	152		150			172.5				168	151	184	136		158			154	181	180	204		165.9	19.1	1
48	149		150			172						183	141		158			152	174	181	205		166.5	19.9	
51	148		148			171				170		184.5	141		158			150	179	182	204		166.9	19.6	
54	147		150			170				169		183	137		164		***************************************	150	174	180	208		166.5	20.1	
57	147		150			173						184	138		160			152	178		210		165.8	22.6	0,0

oun) i nay	72	180
2	150	152
02		
03	152	147
04		
05		
90	174	172
70		
80		
60		
10		
11		
12	183	192
13	137	134
14		
15	155	
16		
17		
18		
19	178	
20		
21	204	
Summary:		
Average	166.6	159.4
Std Dev	21.9	22.8
Max	204	192
Min	137	13/

SD & Range Charts for Body Weight, Lb Figure 9:

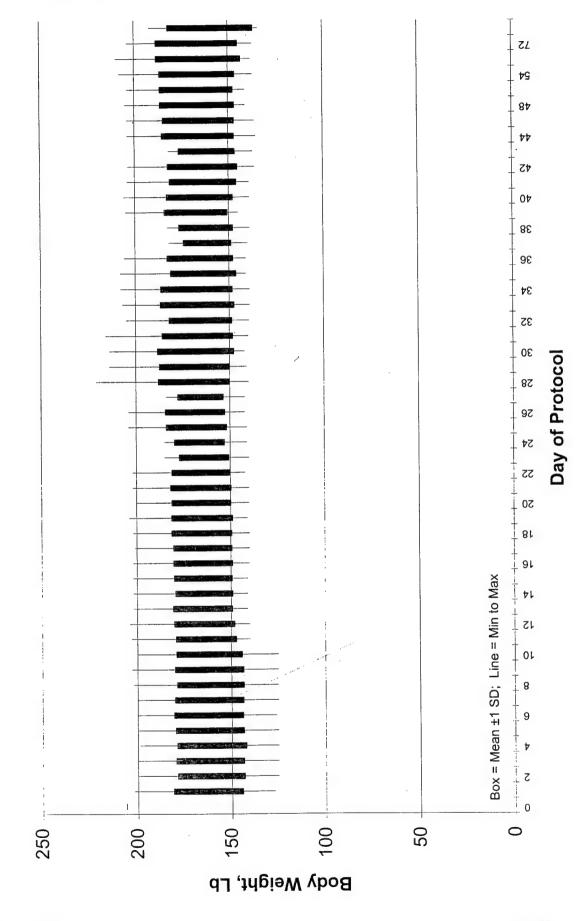


Figure 10: Body Weight, Lb Body Weight, Lb

Dec. 17, 1998

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SCR	1		ı
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		>	>	740	λV	DAY	DAY	DAY	DAY	DAY	2	1	i
		IA	- A	ξ.	( )	: ;	ć	30	35	42	54	72	180
Subject	Scrn	0	-	4	,	4	17	707	3	•			
	0	α	6.4	6.2	7.0	7.0	5.1	5.6	5.1	7.4	5.7	6.8	0.9
-   c	- u	0.0	333	4 6	4.9	5.5	5.7	5.2	3.2				
7	U. 4	0.0	0.0	4.1	5.7	4.5	3.5	3.5	3.4	4.0	3.7	5.9	3.0
2	U. 4.	7.0	6.2	89	0.9	7.1	7.0	6.3	9.9	6.4			
4 [	C. C.	2.7	3.5	3.0	3.1	3.5	3.8	3.4	3.1				
0	5. 4.	4 1	4.0	4.9	4.0	4.2	4.4	4.4	3.9	4.0	3.7	6.4	5.8
2 /	22.3	5.0	3.9	4.3	4.5	5.7	0.0	4.5		5.0	6.1		
. 0	3.7	3.6	5.0	5.4	4.3								
5	5.5	6.4	9.9	8.0	7.2	6.7	6.2	5.7	6.8	7.0	5.8		
, 5	5.3	4.4	4.7	4.5	4.8	4.5	5.2	5.2	4.6	4.4	5.0		
2 -	8 8	5.6	4.1	4.5	5.4	0.9	7.9	6.3		6.3			
12	5 6	4.5	3.8	4.1	4.1	4.0	4.2	3.7	4.3	3.9	4.3		
4 6		0.9	5.0	5.1	5.8	5.5	5.3	4.0	4.6	3.7	0.9		
14	117	8	7.7	7.7	9.3	6.7	7.0	8.2					1
i f	6.4	9	6.1	6.1	5.4	5.4	5.0	6.4	6.9	6.1	5.8		8.
5 4	5.7	6.5	5.6	5.8	5.3	5.6	5.7	5.9	0.9	5.5			
2 1	6.7	4	0.9		:	:							
: -   α	4.5	4.6	4.3	5.1	5.7	6.5	0.9	5.0	4.9	3.8	4.6		-
2   2	ָ שׁי	7.3	5.7	10.8	8.8	10.8	7.0	6.2	5.5	6.4	5.6		
20	4.7	5.15	3.6	4.4	5.1	4.8	5.2	5.8	3.6	3.3	6.1	1	
21	6.7	6.9	6.3	9.9	9.9	9.7	6.2	5.4	5.4	5.4	5.4	2.5	
Summary.		WBC Thousands/cu mm	um no										1
operation y.		2.0	5.1	5.6	5.7	5.9	5.6	5.3	4.9	5.2	5.2	6.1	5.9
Avelage	7 0.0	2 5	12	18	1.5	1.7	1.2	1.2	1.3	1.3	0.9	0.7	2.3
ota nev	1.7	2 0	7.7	10.8	9.3	10.8	7.9	8.2	6.9	7.4	6.1	6.8	8.7
Max		0.00	3.0	30	3.1	3.5	3.5	3.4	3.1	3.3	3.7	5.2	3.0

Figure 11: SD & Range Charts for WBC, Thousands/cu mm / Box = Mean ±1 SD; Line = Min to Max Scrn  $\infty$ WBC, Thousands/cu mm

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Day of Protocol

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ubject         Scrn         0         1         4         7           01         15.8         17.3         17         14.8         14.9         1           02         15.3         16.3         14.1         15.4         15.1         1           03         14.1         13.3         15.2         12.9         13.2         1           04         14.9         14.8         15.4         14.8         14.2         13.2         1           05         14.2         14.8         15.4         14.8         14.2         13.5         13.1         1           06         14.2         14.8         15.4         14.8         14.2         13.8         13.5         13.1         1           07         14.2         14.3         14.2         13.8         13.5         13.1         1 </th <th></th> <th></th> <th>DAY</th>			DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
15.8       17.3       17       14.8       14.9         15.3       16.3       14.1       15.4       15.1         14.9       14.8       15.2       12.9       13.2         14.9       14.8       15.4       14.2       13.2         14.9       14.8       15.4       14.8       14.2         14.9       14.8       15.4       14.2       13.5       13.1         14.2       14.3       14.2       14.8       13.5       13.2         14.2       14.3       14.2       14.8       13.8       14         12       14.9       12       14.8       13.8       14         15.6       13       14.2       14.8       13.8       14         15.4       14.4       14.7       14.4       13.6       14.4       13.6         15.4       14.7       14.2       14.4       13.8       14.4       13.8       14.4       13.8         16.2       16.1       16.1       16.9       14.9       14.9       14.9       14.9       14.9       14.9       14.9       14.9       14.9       14.9       14.9       14.9       14.9       14.9       14.9       1	Subject	Scrn	0	-	4	7	44	21	28	35	42	54	72	180
15.8   17.3   17   14.8   14.9   14.9   14.1   15.4   15.1   14.1   15.4   15.1   14.1   14.2   14.8   14.2   14.8   14.2   14.8   14.2   14.8   14.2   14.8   14.2   14.2   14.2   14.3   14.2   14.8   14.2   14.2   14.8   14.2   14.2   14.8   14.4   14.2   14.8   14.4   14.2   14.8   14.4   14.2   14.8   14.4   14.2   14.8   14.4   14.2   14.8   14.4   14.2   14.8   14.4   14.5   15.1   14.4   14.5   15.1   14.4   14.5   15.1   14.4   15.1   14.5   15.4   15.1   14.5   14.9   14.5   14.9   14.5   14.9   14.5   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.8   14.5   14.9   14.7   14.7   14.5   14.9   14.5   14.9   14.7   14.5   14.9   14.7   14.5   14.5   14.5   14.9   14.5   14	3	0 1.	1	į				L				,	!	
15.3     16.3     14.1     15.4     15.1       14.1     13.3     15.2     12.9     13.2       14.9     14.8     15.4     14.8     14.2       14.9     14.8     15.4     14.8     13.5       14.2     14.3     14.2     13.8     13.3       14.2     14.3     14.2     14.8     13.8       14.2     14.3     14.2     14.8     13.8       12     14.9     14.2     14.8     13.8       15.6     13     14.2     14.8     13.8       14.9     14.4     14.7     14.4     13.8       15.4     14.4     14.7     14.4     13.8       14.9     15.9     15.4     15.9     14.4     13.8       15.1     14.9     15.9     14.4     13.8     14.9       15.1     14.4     15.5     15.4     14.9       15.2     16.1     16.9     14.9     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       15	10	15.8	17.3	1/		14.9	14.2	15.5	13.2	13.9	13.9	14	14.7	14.3
14.1       13.3       15.2       12.9       13.2         14.9       14.8       15.4       14.8       14.2         14.8       14.8       15.4       14.8       14.2         14.2       14.3       14.2       13.5       13.1         14.2       12.7       12.4       13.8       13.2         14.2       14.3       14.2       14.8       13.8         14.2       14.3       14.2       14.8       13.8         14.9       14.4       14.2       14.8       14.4         15.6       13.8       14.2       15.8       14.4         15.4       14.9       14.4       13.8       14.4         16.2       16.1       16.1       16.1       16.1       16.1         16.2       16.1       16.1       16.9       14.4       13.8         15.1       14.5       15.1       14.9       14.9         15.2       15.1       14.8       14.5       14.9         15.2       15.1       14.8       14.5       14.9         15.2       15.1       14.8       14.5       14.9         15.2       15.1       14.8       14.5	02	15.3	16.3	14.1		15.1	16.4	15	15	14.9	14.5			
14.9       14.8       15.4       14.8       14.2         14.8       14       13.7       13.5       13.1         14.2       14.3       14.2       13.8       13.5         14.2       12.7       12.4       13.8       13.2         14.2       14.3       14.2       14.8       13.8         14.2       14.3       14.2       14.8       13.8         14.9       14.4       14.2       14.8       13.8         15.6       13       14.2       14.8       14.4         15.6       13       14.2       15.1       14.4         15.4       14.7       14       13.8       14.4         15.4       14.7       14       13.8       14.4         16.2       16.1       16       16.1       16         16.2       16.1       16       15.5       15.4         15.1       14.5       15.5       14.9         15.1       14.4       15.5       14.9         15.2       15.1       14.8       14.5       14.9         15.2       15.1       14.8       14.5       14.9         16.2       16.1       16.1 <td>03</td> <td>14.1</td> <td>13.3</td> <td>15.2</td> <td>12.9</td> <td>13.2</td> <td>14.5</td> <td>12.5</td> <td>13.3</td> <td>11.6</td> <td>12.5</td> <td>12.3</td> <td>12.2</td> <td>12.1</td>	03	14.1	13.3	15.2	12.9	13.2	14.5	12.5	13.3	11.6	12.5	12.3	12.2	12.1
14.8       14       13.7       13.5       13.1         14.2       14.3       14.2       13.8       13.5         14.2       12.7       12.4       13       13.5         14.2       14.3       14.2       14.8       13.8         12       14.3       14.2       14.8       13.8         12       14.9       14.2       14.8       13.8         14.9       14.4       14.2       14.8       14.4         15.6       13.4       14.2       15.8       14.4         15.4       14.4       14.2       15.8       14.4         15.4       14.4       14.2       15.8       14.4         15.4       14.4       14.2       15.8       14.4         15.4       14.7       14.4       13.8       14.4         16.2       16.1       16.       16.       16.9       14.4         15.1       14.5       15.5       14.9       14.9         15.1       14.4       14.5       14.9       14.9         15.2       15.1       14.8       14.5       14.9         15.2       15.1       14.8       14.5       14.9	04	14.9	14.8	15.4	14.8	14.2	14.1	13.6	13.9	13.6				
14.2     14.3     14.2     13.8     13.5       14.2     12.7     12.4     13     13.3       13.9     13.7     13.7     13.5     13.2       14.2     14.3     14.2     14.8     13.8       12     11.8     14.9     14.4     14.5       15.6     13     14.2     13.8     14       15.6     13     14.2     15.1     14.4       15.4     14.4     14.7     14.4     13.8       16.2     16.1     16     14.4     13.8       16.1     16.1     16.9     14.9       15.1     14.5     15.5     15.4       15.1     14.4     15.5     16.9     14.9       15.2     14.4     15     16.9     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       16.9     14.4     15.1     14.9       16.0     14.4     15.1     14.9       16.2     <	05	14.8	14	13.7	13.5	13.1	13.2	13.6	14.1					
14.2     12.7     12.4     13     13.3       13.9     13.7     13.5     13.2       14.2     14.3     14.2     14.8     13.8       12     11.9     12     11.4       12     11.9     12     11.4       15.6     13     14.2     13.8     14       15.6     14.4     14.2     15.1     13.8       16.2     16.1     16     14.4     13.8       16.2     16.1     16     14.4     13.8       16.2     16.1     16     14.9       15.1     14.4     15.5     15.4       15.1     14.4     15.5     14.9       15.1     14.4     15.1     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.3     14.5     14.9       14.7     14.2     14.5     14.9       14.7     14.2     14.5     14.9       14.7     14.2     14.3     14.5       14.7     14.2 </td <td>90</td> <td>14.2</td> <td>14.3</td> <td>14.2</td> <td>13.8</td> <td>13.5</td> <td>13.8</td> <td>13.1</td> <td>13.5</td> <td>14</td> <td>13.6</td> <td>13.2</td> <td>13.4</td> <td>14.5</td>	90	14.2	14.3	14.2	13.8	13.5	13.8	13.1	13.5	14	13.6	13.2	13.4	14.5
13.9     13.7     13.5     13.2       14.2     14.3     14.2     14.8     13.8       12     11.8     11.9     11.7     12.1       15.6     13     14.2     13.8     14       15.6     13     14.2     13.8     14.4       15.4     14.4     14.2     15.1     13.8       16.2     16.9     15.4     15.8     14.4       16.2     16.1     16     15.4     15.4       16.2     16.1     16     15.4     13.8       15.1     14.5     15.5     14.9       15.9     14.4     15     16.9     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       16.9     14.4     15.1     14.9       16.9     14.4     15.1     14.9       16.9     14.4     14.8     14.5     14.9       16.9     14.4     14.8     14.5     14.9       16.9     14.4     14.2     13.8       16.9     14.2     14.3     14.2     13.8       16.0     14.2     <	. 07	14.2	12.7	12.4	13	13.3	12.8	12.8	12.2		12	12.7		
14.2     14.3     14.2     14.8     13.8       12     11.8     11.9     11.5     11.4       15.6     13     14.2     13.8     14       14.9     14.4     14.2     15.1     13.8       15.4     14     14.2     15.1     13.8       17.6     15.9     15.4     15.8     14.4       16.2     16.1     16     15.4     13.8       15.1     14.5     15.5     15.4       15.1     14.4     15     16.9     14.9       15.1     14.4     15     16.9     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       16.9     14.4     15.1     14.9       16.9     14.4     15.1     14.9       16.0     14.4     14.5     14.9       16.0     14.4     14.5     14.9       17.3     14.2     <	98	13.9	13.7	13.7	13.5	13.2								
12 11.8 11.9 11.5 11.4  12 11.9 12 11.7 12.1  15.6 13 14.2 13.8 14  14.9 14.4 14.7 14.2 15.1 13.8  15.4 14 14.2 15.1 13.8  16.2 16.1 16  16.2 16.1 16  15.1 14.5 15.5 15.4  15.9 14.4 15 16.9 14.9  15.9 14.4 15 14.9  15.9 14.4 15 14.9  15.1 14.2 14.3 14.5 13.8  14.7 14.2 14.3 14.2 13.8  17 17 17 17 17 15	60	14.2	14.3	14.2	14.8	13.8	13.7	12.9	13.8	12	13.9	13.5		
15.6 13 14.2 13.8 14 14.9 15.6 13.8 14 13.6 15.4 14.7 14.2 15.1 13.8 14.4 14.2 15.1 13.8 14.7 17.6 15.9 15.4 15.8 14.4 13.8 16.2 16.1 16. 16.2 16.1 16. 16.2 16.1 16. 15.1 17.9 15.1 14.9 15.9 14.4 15.0 14.9 15.0 14.9 15.2 15.1 14.8 14.5 14.9 14.7 14.2 14.8 14.5 14.9 14.7 14.2 14.3 14.2 13.8 17 17 17 15 15 15 15 15 15 15 15 15 15 15 15 15	10	12	11.8	11.9		11.4	11.4	10.2	10.8	11	11.4	11.7		
15.6     13     14.2     13.8     14       14.9     14.4     14.7     14     13.6       15.4     14.9     15.4     15.8     14.4       17.6     15.9     15.4     15.8     14.4       16.2     16.1     16     16.9     14.4       16.2     16.1     16     13.6     13.5     13.4       15.1     14.5     15     16.9     14.9       15.9     14.4     15     16.9     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       14.7     14.2     14.3     14.2     13.8       14.7     14.2     14.3     14.2     13.8       15.1     17     17     17     17       15.1     17     17     17     17       15.1     17     17     17     17	11	12	11.9	12	11.7	12.1	10.9	11.3	10.4		10.7			
14.9     14.4     14.7     14     13.6       15.4     14     14.2     15.1     13.8       17.6     15.9     15.4     15.8     14.4       14.7     13.8     13.9     14.4     13.8       16.2     16.1     16     13.5     13.4       15.1     14.5     15.5     15.4       15.9     14.4     15     16.9     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       14.7     14.2     14.3     14.2     13.8       1.3     1.4     17     17     15       18     17     17     17     17       12     12     12     12     11	12	15.6	13	14.2	13.8	14	13	13.2	13.8	14.1	13.9	13.8		
15.4 14 14.2 15.1 13.8 17.6 15.9 15.4 15.8 14.4 14.7 13.8 13.9 14.4 13.8 16.2 16.1 16 13 13.4 13.6 13.5 13.4 15.1 14.5 15 16.9 14.9 15.2 15.1 14.8 14.5 14.9 15.2 15.1 14.8 14.5 14.9 14.7 14.2 14.3 14.2 13.8 17 17 17 15	13	14.9	14.4	14.7		13.6	13.4	13.8	13.6	13.9	14.7	13.4		
17.6     15.9     15.4     15.8     14.4       14.7     13.8     13.9     14.4     13.8       16.2     16.1     16     16     13.8       15.1     14.5     15.5     15.4       15.9     14.4     15     16.9     14.9       15.2     15.1     14.8     14.5     14.9       y:     Hemoglobin, g/dL       1.3     1.4     1.2     1.3     1.0       1.3     1.4     1.7     17     15       12     12     12     12     11	14	15.4	14	14.2	15.1	13.8	15.3	15	14.4	14.8				
14.7     13.8     13.9     14.4     13.8       16.2     16.1     16     13.4     13.4       15.1     14.5     15.5     15.4       15.9     14.4     15     16.9     14.9       15.2     15.1     14.8     14.5     14.9       15.2     15.1     14.8     14.5     14.9       9:     Hemoglobin, g/dL     14.2     13.8       1.3     1.4     1.2     1.3     1.0       18     17     17     17     15       12     12     12     12     11	15	17.6	15.9	15.4	15.8	14.4	14.9	13	15.8	16.1	14.8	14.5		
16.2 16.1 16 13 13.4 13.6 13.5 13.4 15.1 14.5 15.5 15.4 15.9 14.4 15 16.9 14.9 15.2 15.1 14.8 14.5 14.9 Y: Hemoglobin, g/dL  1.3 14.2 14.3 14.2 13.8 1.3 1.0 1.3 1.4 1.2 1.3 1.0 1.0	16	14.7	13.8	13.9	14.4	13.8	12.9	13.2	13,3	13.6	12.3			
13     13.4     13.6     13.5     13.4       15.1     14.5     15     15.5     15.4       15.9     14.4     15     16.9     14.9       15.2     15.1     14.8     14.5     14.9       y: Hemoglobin, g/dL       14.7     14.2     14.2     13.8       1.3     1.4     1.2     1.3     1.0       18     17     17     17     15       12     12     12     12     11	17	16.2	16.1	16									-	
15.1     14.5     15     15.5     15.4       15.9     14.4     15     16.9     14.9       15.2     15.1     14.8     14.5     14.9       y: Hemoglobin, g/dL       14.7     14.2     14.2     13.8       1.3     1.4     1.2     1.3     1.0       18     17     17     17     15       12     12     12     12     11	18	13	13.4	13.6	13.5	13.4	13.2	12.6	12.4	12.7	12.8	13.1		
15.9     14.4     15     16.9     14.9       15.2     15.1     14.8     14.5     14.9       y: Hemoglobin, g/dL       14.7     14.2     14.3     14.2     13.8       1.3     1.4     1.2     1.3     1.0       18     17     17     17     15       12     12     12     13	19	15.1	14.5	15		15.4	15.3	14.8	14.7	14.8	14.7	14.5		
y:       Hemoglobin, g/dL       14.8       14.5       14.9         14.7       14.2       14.3       14.2       13.8         1.3       1.4       1.2       1.3       1.0         18       17       17       17       15         12       12       12       13       14	20	15.9	14.4	15	16.9	14.9	14.6	15.1	19.3	15	14.9	15.4	16.1	
y:       Hemoglobin, g/dL       14.2       14.2       13.8         14.7       14.2       14.2       13.8         1.3       1.4       1.2       1.3       1.0         18       17       17       17       15         12       12       12       13       15	21	15.2	15.1	14.8		14.9	14.6	13.5	14.2	14.5	15.3	14.7	15.1	
y:       Hemoglobin, g/dL         14.7       14.2       14.3       14.2       13.8         1.3       1.4       1.2       1.3       1.0         18       17       17       17       15         12       12       12       13       10														
14.7     14.2     14.3     14.2     13.8       1.3     1.4     1.2     1.3     1.0       18     17     17     17     15       12     12     12     13     14	mmary:	Hemoglo	bin, g/dL											
1.3     1.4     1.2     1.3     1.0       18     17     17     15     15       12     12     12     13     14	erage	14.7	14.2	14.3	14.2	13.8	13.8	13.4	13.8	13.8	13.5	13.6	14.3	13.6
19 17 17 15 15	d Dev	1.3	1.4		1.3	1.0	1.3	1.3	1.9	1.4	4.1	1.0	1.5	1.3
12 12 12 11	×	18	17		17	15	16	16	19	16	15	15	16	15
7) 7) 7)	Min	12	12	12	12	11	1	10	10	11	11	12	12	12

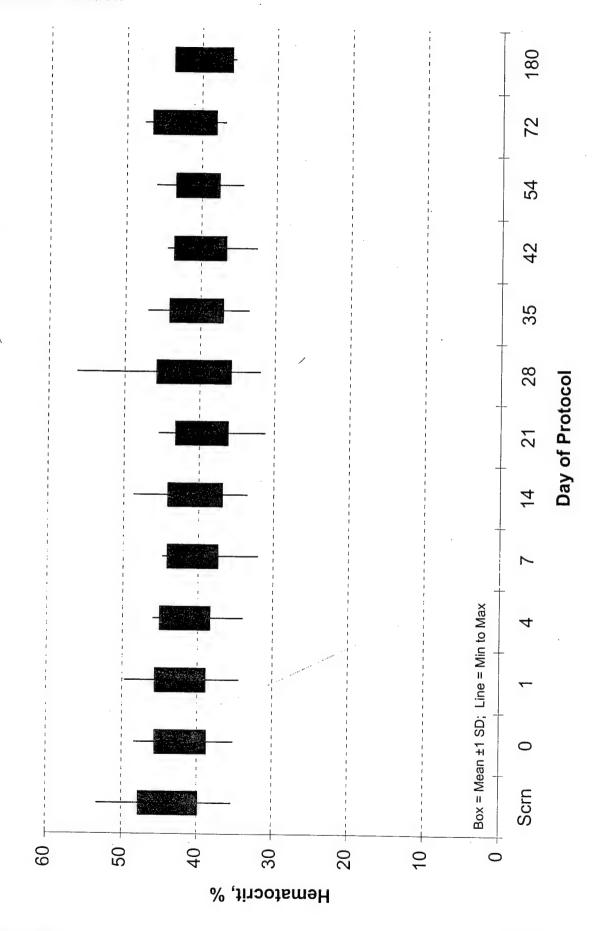
Figure 12: SD & Range Charts for Hemoglobin, g/dL Day of Protocol Box = Mean ±1 SD; Line = Min to Max Scrn Hemoglobin, g/dL

Dec. 17, 1998

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		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
													9
-	46.5	48.0	49.7	43.5	43.0	41.0	45.4	38.8	40.3	40.9	41.8	44.5	43.0
2	45.3	46.0	41.9	45.2	44.3	48.7	44.4	43.3	43.4	43.3			
က	41.8	40.1	44.6	37.6	39.7	42.2	37.6	38.7	34.5	37.0	36.8	36.8	35.5
4	47.4	42.9	45.2	43.2	42.1	41.0	39.8	41.8	40.5				
5	41.6	42.2	41.2	40.6	39.5	39.0	41.4	43.2					
9	42.0	41.2	41.7	40.5	39.4	39.9	37.8	38.9	39.7	40.0	39.7	39.3	41.0
7	43.0	38.3	37.9	39.3	36.8	37.0	38.7	38.9		36.8	39.1		
80	42.9	41.8	40.8	41.3	39.5								
6	42.9	42.8	41.7	44.5	36.4	39.9	39.3	42.5	36.2	42.2	40.3		
10	35.4	35.3	35.8	34.3	32.0	33.5	31.2	33.4	33.5	34.6	34.4		
11	36.5	35.2	34.5	34.0	36.2	33.6	35.4	31.9		32.5			
12	47.9	40.0	43.4	43.0	42.9	39.4	40.0	40.0	40.5	40.6	40.4		
13	44.9	42.5	43.2	40.9	40.0	37.8	39.4	38.6	40.6	42.5	40.2		
14	44.5	41.7	41.4	43.9	44.3	44.1	44.1	42.4	44.2				
15	53.3	46.8	43.9	46.0	43.9	42.2	37.0	45.0	47.0	43.5	41.8		
16	43.5	42.6	43.0	42.8	42.3	38.4	39.0	39.7	41.3	37.6			
17	48.3	48.4	47.4										
18	38.9	40.2	40.4	40.8	40.5	40.8	37.0	37.4	38.4	39.6	39.6		
19	45.5	44.1	44.0	45.3	44.8	45.0	44.1	43.0	43.9	42.9	42.7		
20	45.5	42.4	43.6	45.5	44.3	43.3	43.5	56.3	44.0	43.5	46.0	47.6	
21	42.9	43.8	42.8	41.9	43.3	42.8	38.9	41.4	41.0	44.5	43.8	43.3	
Summary:	Hematocrit, %	rit, %											
Average	43.8	42.2	42.3	41.7	40.8	40.5	39.7	40.8	40.6	40.1	40.5	42.3	39.8
Std Dev	4.0	3.5	3.4	3.4	3.4	3.7	3.5	5.0	3.6	3.5	2.9	4.3	3.9
Max	53.3	48.4	49.7	46.0	44.8	48.7	45.4	56.3	47.0	44.5	46.0	47.6	43.0
Min	35.4	35.2	34.5	34.0	32.0	33.5	31.2	31.9	33.5	32.5	34.4	36.8	35.5

Figure 13: SD & Range Charts for Hematocrit, %

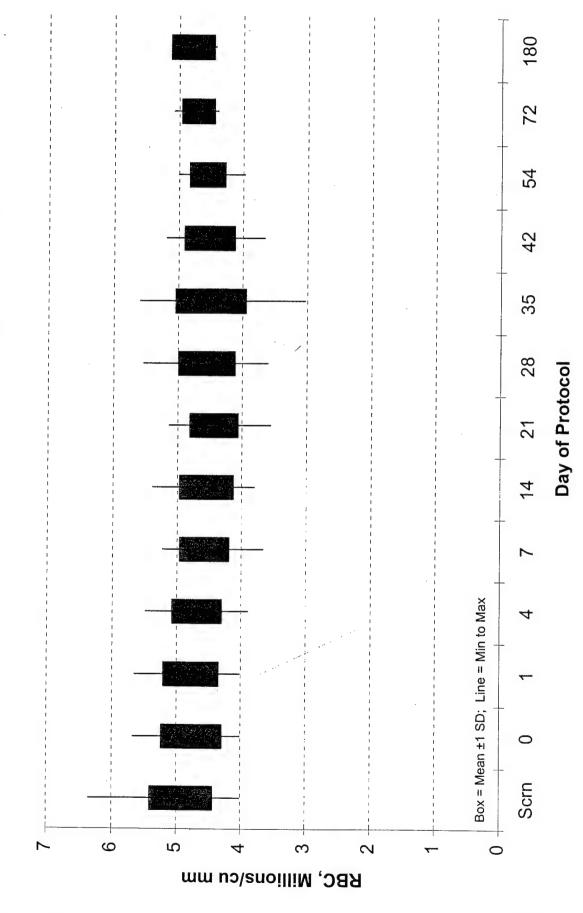


Units: Million / cu mm

Table 8d RBC

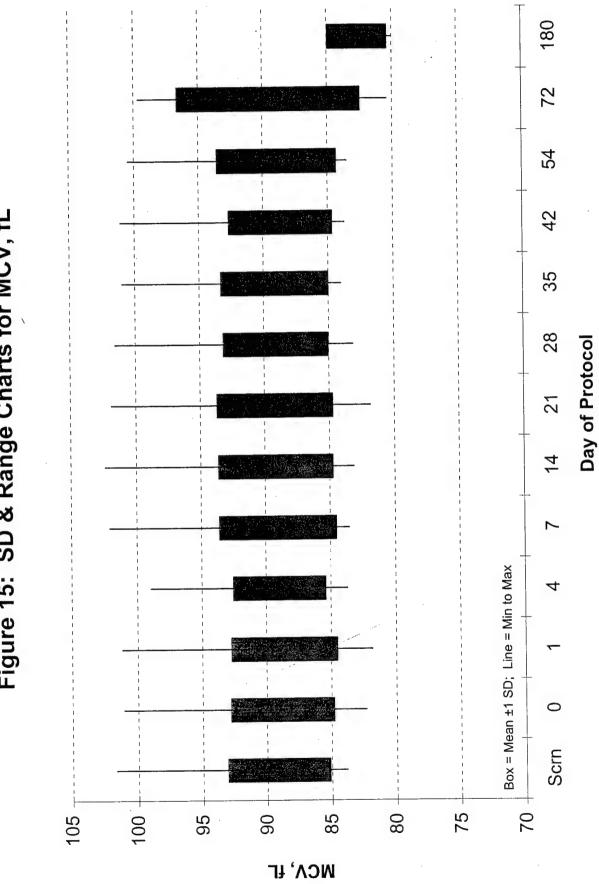
Subject 1 2 3 3 4 4	Scri		DAY	DAT	DAY	DAY	DAT						
- 2 E 4 E	50	0	-	4	7	14	21	28	35	42	54	72	180
- 2 E 4 H					10,	1		4 40	09 7	4 63	A 7.A	80 2	200
2 K 4 H	5.29	5.49	99.6	4.93	4.94	4./1	5.14	4.47	4.00	4.03	4.74	0.00	0.03
W 4 R	4.99	5.18	4.67	5.01	4.92	5.39	4.92	4.90	4.94	4.87			
4 4	4.76	4.57	5.12	4.31	4.49	4.90	4.33	4.50	3.03	4.37	4.28	4.39	4.42
12	5.30	4.76	4.99	4.84	4.63	4.58	4.43	4.61	4.50				
ס	4.78	4.85	4.72	4.67	4.59	4.56	4.74	4.98					
9	4.86	4.80	4.81	4.69	4.85	4.65	4.35	4.48	4.58	4.64	4.59	4.54	4.86
7	4.77	4.32	4.18	4.36	3.98	4.15	4.16	4.31		4.21	4.47		
8	5.01	4.94	4.83	4.85	4.71								
6	4.88	4.90	4.81	5.03	4.15	4.57	4.46	4.84	4.15	4.79	4.55		
10	4.01	4.01	4.07	3.91	3.66	3.82	3.55	3.82	3.85	3.99	3.97		
11	4.18	4.01	4.01	3.89	4.15	3.80	3.98	3.60		3.66			
12	4.99	4.18	4.54	4.50	4.47	4.15	4.16	4.22	4.34	4.28	4.27		
13	5.01	4.76	4.82	4.52	4.42	4.25	4.39	4.30	4.48	4.71	4.45		
14	4.71	4.51	4.51	4.75	4.68	4.72	4.72	4.56	4.75				
15	6.36	5.68	5.37	5.49	5.22	5.08	4.51	5.10	2.60	5.19	5.01		
16	4.91	4.75	4,82	4.79	4.65	4.32	4.46	4.44	4.63	4.25			
17	5.61	5.65	5.54										
18	4.49	4.70	4.73	4.73	4.70	4.73	4.43	4.40	4.45	4.51	4.64		
19	5.27	5.01	5.09	5.28	5.23	5.18	5.12	4.99	2.08	4.97	4.97		
20	4.47	4.19	4.31	4.62	4.34	4.22	4.27	5.54	4.35	4.30	4.57	4.77	
21	4.76	4.79	4.72	4.61	4.76	4.66	4.20	4.49	4.57	4.90	4.74	4.74	
Summary:	RBC, Mill	RBC, Millions/cu mm	mı										
Average	4.92	4.76	4.78	4.69	4.58	4.55	4.44	4.55	4.49	4.52	4.56	4.70	4.79
Std Dev	0.49	0.48	0.44	0.39	0.39	0.43	0.38	0.45	0.55	0.40	0.29	0.26	0.34
Max	6.36	5.68	5.66	5.49	5.23	5.39	5.14	5.54	5.60	5.19	5.01	2.08	5.09
Min	4.01	4.01	4.01	3.89	3.66	3.80	3.55	3.60	3.03	3.66	3.97	4.39	4.42

Figure 14: SD & Range Charts for RBC, Millions/cu mm



		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	4	21	28	35	42	54	72	180
										0		1	
5	88.0	87.0	87.8	88.2	87.0	86.9	88.2	87.5	97.8	88.2	88.1	87.5	84.0
02	90.7	89.0	89.7	90.1	0.06	90.3	90.2	88.3	87.8	88.9			
03	87.8	87.8	86.9	87.2	88.4	86.0	86.9	82.8	85.6	84.8	85.9	83.8	80.0
04	89.3	90.0	90.6	89.5	6.06	89.0	89.9	2.06	0.06				
05	87.0	86.8	87.2	86.8	86.0	85.0	87.3	9.98					
90	86.4	85.8	86.7	86.0	86.0	85.7	87.0	86.8	86.7	86.3	9.98	80.4	84.0
70	90.0	90.3	2.06	90.1	0.06	88.6	89.0	89.7		87.4	87.4		
80	85.6	84.6	84.5	85.1	84.0								
60	87.9	87.2	86.7	88.3	83.5	87.1	88.2	87.7	87.3	88.0	88.6		
19	88.3	88.0	88.0	87.7	87.6	87.5	7.78	87.4	86.9	9.98	86.5		
11	87.3	87.6	86.0	87.4	87.2	88.5	88.8	88.5		88.8	•		
12	95.9	95.4	92.6	92.6	96.0	92.8	96.2	94.2	94.7	93.0	94.7	94.6	
13	89.5	89.3	9.68	90.3	90.3	88.9	9.68	89.9	90.6	90.2	91.0		
14	94.0	92.4	91.2	92.4	94.7	93.2	93.4	92.8	92.8				
15	83.8	82.3	81.8	83.7	83.9	83.1	81.8	83.1	84.0	83.7	83.5		
16	89.0	89.7	89.3	89.3	91.0	89.0	87.0	89.4	89.1	88.4			
17	85.9	85.6	85.6										
18	9.98	85.5	85.2	86.1	86.1		83.0	85.1	86.1	86.5	85.4		
19	86.3	87.9	86.0	85.8	85.6	86.7	86.2	85.9	86.4	86.2	85.8		
20	101.7	101.1	101.2	99.0	102.1	102.4	101.9	101.6	101.0	101.1	100.5	2.66	
21	90.0	91.4	2.06	8.06	8.06	91.7	92.7	92.1	90.0	2.06	92.4	91.4	
Summary:	MCV, fL												
Average	89.1	88.8	98.6	89.0	89.1	89.2	89.2	89.1	89.2	88.7	89.0	9.68	82.7
Std Dev	04.0	04.0	04.1	03.6	04.6	04.5	04.5	04.1	04.2	04.0	04.6	07.1	02.3
Max	101.7	101.1	101.2	99.0	102.1	102.4	101.9	101.6	101.0	101.1	100.5	99.7	84.0
Min	83.8	82.3	81.8	83.7	83.5	83.1	81.8	83.1	84.0	83.7	83.5	80.4	80.0

SD & Range Charts for MCV, fL Figure 15:



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	-1-314	DAY	DAY	DAY	DAY								
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
01	29.9	31.5	30.0	30.1	30.2	30.1	30.1	29.8	30.3	30.1	29.6	29.0	30.1
05	30.6	31.5	30.1	30.8	30.8	30.3	30.4	30.6	30.1	29.8			
03	29.6	29.1	29.6	29.9	29.4	29.6	28.9	29.5	28.8	28.7	28.9	27.7	27.7
04	28.2	31.0	31.0	30.6	30.6	30.8	30.7	30.2	30.2				
05	28.9	28.9	29.0	28.9	28.5	28.9	28.6	28.3					
90	29.3	29.7	29.5	29.4	29.4	29.7	30.1	30.0	30.6	29.4	28.9	29.4	29.8
07	29.8	30.1	29.7	29.8	33.4	30.8	30.8	28.3		28.4	28.4		2
90	27.9	27.8	28.3	27.9	28.0								
60	29.2	29.3	29.6	29.3	33.2	29.9	28.8	28.6	28.8	29.0	29.8		
10	29.8	29.5	29.5	29.4	31.3	29.9	28.7	28.2	28.6	28.5	29.5		
7	28.8	29.6	29.9	30.0	29.1	28.6	28.5	29.0		29.3			
12	31.2	31.2	31.3	30.8	31.3	31.5	31.8	32.7	32.5	32.5	32.3		
13	29.8	30.2	30.5	31.0	30.8	39.6	31.5	31.5	31.1	31.2	30.4		
14	32.7	31.1	31.5	31.8	31.7	32.4	31.8	31.5	31.2	and the same of th			
15	27.7	28.0	28.7	28.9	27.6	29.4	28.8	29.9	28.8	28.5	29.0		
16	29.9	29.0	28.9	30.1	29.6	29.9	29.6	29.9	29.3	29.0			
17	28.9	28.4	28.9										
18	28.9	28.5	28.6	28.5	28.5	27.8	28.4	28.3	28.4	28.3			
19	28.6	29.0	29.5	29.5	29.4	29.5	28.9	29.4	29.1	29.6	29.1		
20	35.5	34.4	34.7	36.6	34.4	34.7	35.4	34.9	34.6	34.6	33.9	33.8	
21	31.9	31.6	31.4	31.5	31.4	31.3	32.0	31.6	31.7	31.2	31.1	34.9	
Summary:	MCHC, g/dl	dL											
Average	29.9	30.0	30.0	30.2	30.4	30.8	30.2	30.1	30.3	29.9	30.1	31.0	292
Std Dev	01.8	01.6	01.4	01.8	01.8	02.6	01.8	01.7	01.7	01.7	01.6	03.2	01.3
Мах	35.5	34.7	36.6	36.6	39.6	39.6	35.4	34.9	34.6	34.6	34.9	34.9	30.1
L	27.7	27.8	28.3	27.9	27.6	27.8	28.4	28.2	28.4	28.3	28.4	27.7	27.7

Blank = Not Obtained

Figure 16: SD & Range Charts for MCHC, g/dL Day of Protocol Box = Mean ±1 SD; Line = Min to Max Scrn MCHC' a/dL

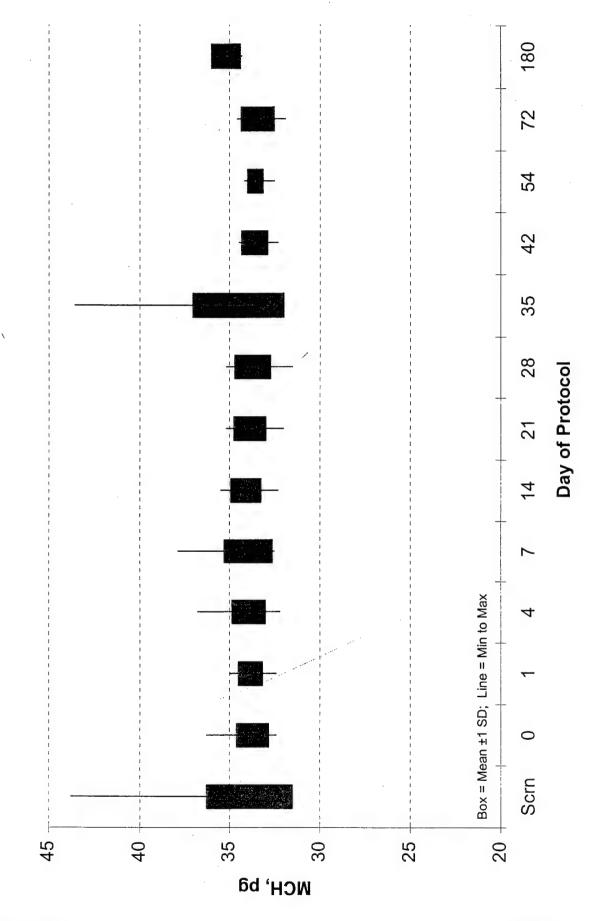
Dec. 17, 1998

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		DAY	DAY	DAY	DAY	DAY	DAY						
Subject	Scrn	.0	-	4	^	14	21	28	35	42	54	72	180
01	34.1	36.3	34.2	34.1	34.7	34.6	34.1	34.0	43.6	34.1	33.6	33.2	35.9
02	33.7	35.3	33.6	34.1	34.2	33.6	33.7	34.7	34.3	33.5			
03	33.7	33.2	34.1	34.3	33.2	34.4	33.3	34.3	33.6	33.8	33.6	33.1	34.3
04	31.5	34.4	34.2	34.1	33.6	34.5	34.2	33.3	33.6				
05	33.2	33.3	33.3	33.2	33.3	33.9	32.8	32.7					
90	33.8	34.6	34.0	34.3	34.2	34.7	34.8	34.5	35.3	34.0	33.3	34.0	35.4
70	33.3	33.3	32.7	33.1	37.1	34.8	34.8	31.5		32.5	32.5		
80	32.5	32.9	33.4	32.8	33.3								
60	33.2	33.5	34.1	33.2	37.9	34.4	32.7	32.6	33.0	33.0	33.6		
10	33.7	33.5	33.2	33.5	33.4	34.1	32.7	32.3	32.9	32.9	34.0		
11	32.9	33.8	34.7	34.3	33.3	32.3	32.0	32.7		33.0			
12	32.8	32.6	32.7	32.2	32.6	33.1	33.1	34.5	35.0	34.3	34.2		
13	33.3	33.8	34.0	34.3	34.1	35.5	35.2	35.1	34.4	34.5	33.4		
14	43.8	33.6	34.5	34.4	33.5	34.7	34.0	33.9	33.6				
15	33.1	33.9	35.0	34.5	32.9	35.3	35.1	35.2	34.3	34.1	34.1	34.6	
16	33.1	32.4	32.4	33.7	32.5	33.6	34.1	33,4	32.8	32.8			
17	33.5	33.2	33.7										
18	33.3	33.2	33.6	33.0	33.1	32.3	34.3	33.2	33.0	32.3	33.1		
19	33.1	32.9	34.4	34.3	34.3	34.0	33.6	34.2	33.7	34.4	33.9		
20	34.9	34.0	34.3	36.8	33.6	33.8	34.7	34.4	34.2	34.2	33.5	33.9	
21	35.4	34.5	34.5	34.6	34.5	34.1	34.5	34.3	35.2	34.4	33.7	31.9	
Summary:	MCH, pg												
Average	33.9	33.7	33.8	33.9	34.0	34.1	33.9	33.7	34.5	33.6	33.6	33.5	35.2
Std Dev	02.4	6.00	7.00	6.00	01.4	6.00	6.00	0.1.0	02.5	2.00	00.5	6.00	00.8
Max	43.8	36.3	35.0	36.8	37.9	35.5	35.2	35.2	43.6	34.5	34.2	34.6	35.9
Min	31.5	32.4	32.4	32.2	32.5	32.3	32.0	31.5	32.8	32.3	32.5	31.9	34.3

Figure 17: SD & Range Charts for MCH, pg



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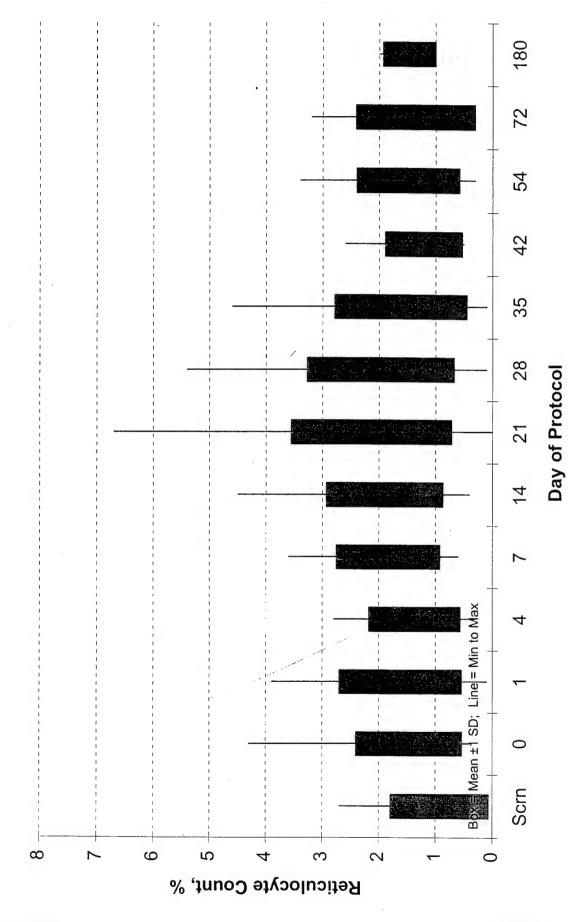
Units: %

Table 8h Reticulocyte Count

Blank = Not Obtained

		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	· DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
10		2.0	0.7	2.5	1.8	1.5	5	1.5	2.0	1.5	1.9	1.0	7.
02		1.5	0.1	1.8	1.9	4.1	2.0	0.4	1.9	0.5			
03		1.0	1.5	0.7	3.5	1.2	2.0	0.1	2.0	1.4	1.6	1.2	1.3
04	9.0	1.2	2.5	2.8	1.9	2.0	3.0	4.4	1.0				
05	1.2	2.3	2.0	2.5	2.4	1.5	1.5	2.8					
90		0.4	1.0	0.5		3.6	1.6	1.5	1.0	1.0	0.8	6.0	2.0
20	1.0	0.5	0.2	1.1	1.0	2.4	3.8	1.3		1.4	0.8		
80	9.0	1.0	1.6	0.4	1.5								
60	0.1	1.3	1.2	1.2	1.0	2.0	2.5	1.0	2.4	0.5	0.3		
10		2.0	0.1	0.3	1.0	1.7	2.0	1.7	0.1	9.0	1.2		
11	2.7	4.3	2.1	6.0	3.0	4.5	6.7	5.4		1.0			
12		2.5	2.8	2.0	1.3	1.1	0.0	2.0	4.6	1.2			
13			3.3		1.4	1.8	1.5	1.8	2.0	1.1	1.3		
14			3.9	2.3	2.4	1.7	2.4	2.2	0.3				
15			2.7	2.0	3.6	1.7	1.6	2.6	1.5	2.6	2.8		
16			2.1	1.0	0.8	8.0	1.3	2.7	6.0	0.5			
17		1.0	1.0										
18		1.2	1.3	9.0	9.0	0.8	6.0	1.5	1.5	2.4	6.0		
		6.0	0.3	0.7	1.0	0.4	. 1.8	1.0	0.3				
20		6.0		Andrew der Angeleigenberger ib in n. e.	1.8	2.5	3.5	3.0	1.0	2.0	1.4	3.2	
21	0.3	1.0	2.0	1.4	3.0	3.5	1.0	1.2	3.4	0.5	3.4	0.5	
Summary:	Reticulo	Reticulocyte Count	ıt, %										
Average	6.0	1.5	1.6	1.4	1.8	1.9	2.1	2.0	1.6	1.2	1.5	1.4	1.5
Std Dev	6.0	6.0	1.1	0.8	0.9	1.0	1.4	1.3	1.2	0.7	6.0	1.1	0.5
Max	2.7	4.3	3.9	2.8	3.6	4.5	6.7	5.4	4.6	2.6	3.4	3.2	2.0
2	10	0.4	0.1	0.3	0.6	0.4	00	0	0.1	0.5	0.3	0.5	11

Figure 18: SD & Range Charts for Reticulocyte Count, %



Units: %

Table 8i WBC Differential: Eosinophils

		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
								,					
01	0.0	0.0	5.1	5.1	4.6	5.4	6.2	5.8	5.6	3.3	3.9	5.6	0.0
02	0.0	0.0	3.0	4.8	4.9	5.1	5.5	6.2	0.3	1.9			<u>.</u> -
03	1.2	1.3	1.2	2.1	1.3	2.2	2.3	2.5	1.7	1.4	3.5	0.0	0.0
04		1.1	1.3	1.0	1.7	0.0	6.0	0.8	0.0				
05	4.7	0.9	5.7	4.0	0.0	0.0	3.8	3.4					
90	0.0	0.7	1.9	0.0	1.9	2.3	1.9	2.7	2.1	2.2	1.5	2.0	0.0
07	0.0	2.8	3.6	5.6	3.8	0.9	0.0	3.9		3.5	0.0		
80	4.0	5.4	5.9	0.9	0.0								
60	1.2	1.0	2.5	2.3	1.3	2.0	1.7	1.5	0.8	1.7	1.0		
10	2.0	2.5	2.3	1.2	2.0	1.8	1.8	2.9	1.7	2.1	1.8		
11	2.4	6.0	0.0	4.0	0.0	3.3	3.1	3.8		4.7			
12	6.0	8.0	1.6	2.4	2.0	2.2	1.6	1.8	0.0	1.7	1.7		
13	2.5	1.4	4.2	3.7	3.1	3.8	3.5	3.5	4.3	5.1	4.7	4.7	
14	0.0	1.4	2.0	2.0	1.2	1.7	2.0	4.1	2.0				
15	6.7	5.2	8.0	7.9	12.0	9.6	11.6	16.1	15.9	14.3	12.0		0.0
16	0.0	2.2	3.2	3.3	3.2	3.7	0.0	4,9	3.5	3.0			
17													
18	2.8	3.6	1.0	1.0	3.7	3.4	0.0	3.2	3.1	3.1	2.4		
19	2.7	2.8	0.0	3.0	2.6	2.0	3.3	3.4	3.3	2.7	3.0		
20	2.2	0.0	3.0	0.0	2.7	10.0	4.0	2.3	2.0	2.5	1.1	2.0	
21	2.1	2.6	2.3	2.7	3.1	2.6	2.8	3.0	0.0	3.4			
Summary	WBC Diff	WBC Differential: Eos	% 'so										
Average	1.9	2.1	2.9	3.1	2.8	3.5	2.9	4.0	2.9	3.5	3.1	2.9	0.0
Std Dev	1.8	1.8	2.1	2.1	2.6	2.7	2.7	3.2	3.8	3.1	3.1	2.3	0.0
Max	6.7	0.9	8.0	7.9	12.0	10.0	11.6	16.1	15.9	14.3	12.0	5.6	0.0
Min	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.4	0.0	0.0	0.0

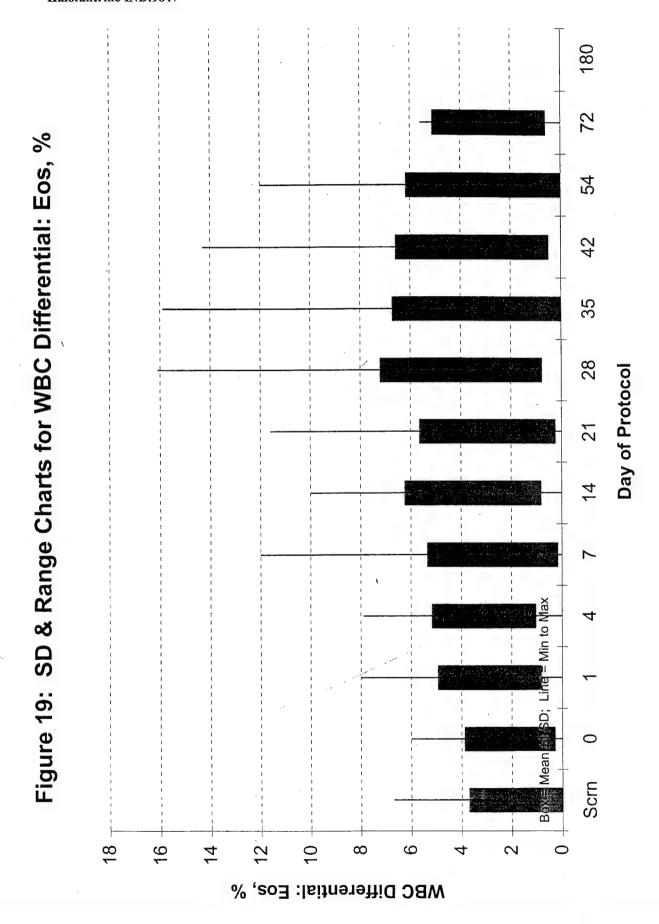


Table 8j WBC Dlfferential: Segmented

		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	45	54	72	180
					1		0	0	1		0 02	600	0 00
01	0.99	68.0	51.4	51.7	55.9	9.75	56.3	60.0	57.5	65.1	52.8	77.70	0.00
02	50.0	52.0	46.0	49.2	50.3	45.7	44.0	6.03	56.5	37.5			
03	54.2	53.2	51.0	43.0	63.8	48.5	47.7	44.6	52.2	47.6	27.7	76.0	20.0
04		64.9	57.7	60.3	52.5	59.0	65.1	72.1	61.0				
05	50.1	51.4	45.7	41.0	51.0	59.0	51.0	51.3	57.4				
90	58.0	64.8	54.1	58.0	58.1	8.09	66.2	55.7	59.1	6.09	58.2	9.07	64.0
07	52.0	46.5	48.7	46.4	54.3	53.2	58.0	60.3		53.6	63.0		
80	48.0	38.1	35.1	36.0	42.0								
60	61.1	67.2	61.9	64.4	0.79	53.0	65.7	8.99	69.2	68.5	65.2		
10	51.6	48.3	49.5	57.7	49.0	58.0	63.5	58.8	54.2	49.7	45.6		
11	63.3	77.6	78.0	42.4	52.0	52.2	59.7	58.8		54.7			
12	60.2	53.0	56.5	49.2	51.6	55.8	52.1	55.0	56.0	53.9	22.7		
13	54.4	53.9	42.1	48.2	54.4	46.0	43.9	43.9	46.7	43.6	40.2	57.9	
14	0.69	56.5	56.6	56.0	61.5	59.1	55.9	67.9	65.5				
15	41.4	40.0	47.0	41.8	47.0	38.5	36.3	43.9	44.9	37.0	43.0		
16	0.09	65.0	57.2	54.1	56.3	57.6	62.0	50.3	53.8	53.2			
17	58.9	72.0	54.0					,					
18	61.4	48.8	46.0	53.0	47.2	46.4	51.0	51.3	45.2	31.2	42.8		
19	53.3	55.3	50.0	51.5	48.3	65.8	45.9	49.6	49.9	58.9	56.1		
20	52.6	43.0	30.0	49.0	51.6	32.0	20.0	48.5	53.1	35.3	0.99	44.7	
21	60.4	66.1	60.1	62.0	59.9	58.9	56.3	59.3	0.09	50.9	59.4	56.5	
			70 7										
Avorage	76 3	TES TES TO THE TEST TO THE TEST TO THE TEST TEST TEST TEST TEST TEST TEST	51 4	50.7	53.7	53.0	54.2	54.9	55.4	50.1	54.3	59.7	60.7
Std Dav	06.7	10.8	6 60	07.6	06.1	08.4	08.4	07.8	06.7	10.9	08.8	11.7	09.5
ax ax	0.69	77.6	78.0	64.4	67.0	65.8	66.2	72.1	69.2	68.5	0.99	76.0	68.0
	717	38.1	30.0	36.0	42.0	32.0	36.3	43.9	44.9	31.2	40.2	44.7	50.0

Figure 20: SD & Range Charts for WBC Diff: Segmented, % Day of Protocol Box = Mean ±1 SD; Line = Min to Max Scrn WBC Diff: Segmented, %

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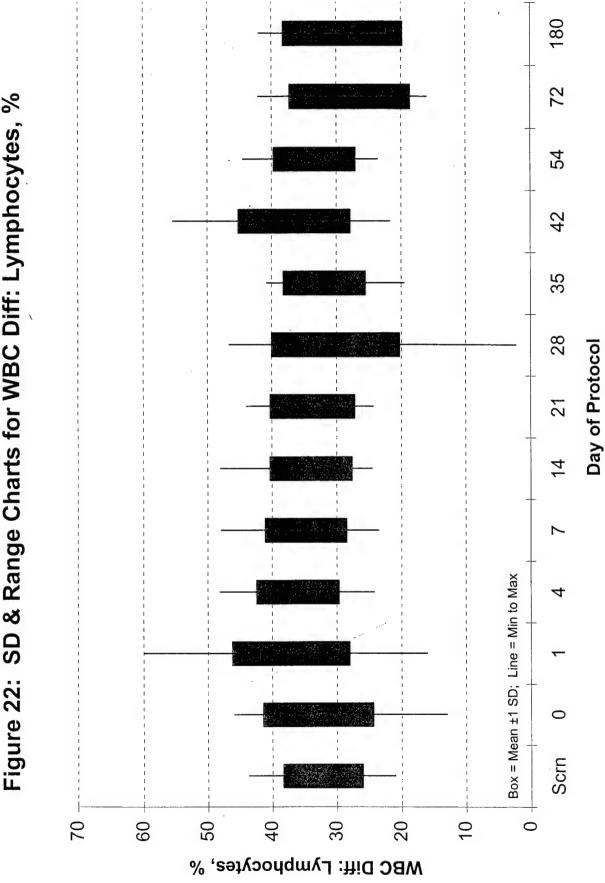
Table 8k WBC Differential: Monocytes

		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
01	7.0	6.0	8.0	9.7	7.6	7.4	8.7	7.8	8.6	6.2	9.1	6.7	8.0
02	17.0	11.0	2.0	12.8	10.9	13.2	14.8	8.9	19.0	20.5			
03	6.5	7.8	7.0	6.5	6.2	5.7	6.5	6.2	6.5	7.8	0.9	3.0	8.0
04		3.6	6.1	7.5	7.5	6.0	7.4	8.0	0.9				:
02	6.8	8.3	8.9	9.0	12.0	7.0	10.0	8.1			1		
90	7.0	6.7	8.6	8.0	7.4	7.0	7.1	7.5	7.7	8.2	7.1	7.9	7.0
07	9.0	9.5	9.6	10.9	10.2	10.2	10.0	10.7	A DESCRIPTION OF THE PROPERTY	10.5	7.0		discount of the state of the st
90	17.0	14.6	13.5	13.0	15.0								
60	10.5	9.5	9.6	8.9	8.0	11.0	8.1	9.4	10.1	8.0	8.6		
10	5.0	8.3	7.8	10.5	1.0	8.1	8.2	8.9	8.9	8.5	12.8		
1	7.5	8.4	0.9	9.3	0.9	8.6	9.9	6.8		8.1			
12	9.7	6.3	8.3	7.1	8.4	7.1	8.2	8.2	8.0	8.3	9.7		
13	9.2	9.4	10.0	8.1	11.8	10.5	9.9	9.9	11.1	10.3	12.6	8.1	
14	10.0	10.8	12.1	11.0	12.6	12.2	12.5	10.2	12.1				
15	7.0	8.4	0.9	8.4	10.0	8.8	2.5	8.4	2.9	9.7	8.0		8.0
16	6.0	5.7	7,4	7.4	6.9	8.4	0.9	7.8	7.4	7.3			
17	10.2	5.0	8.3										
18	9.6	10.6	8.0	0.9	12.0	11.8	11.0	8.8	10.5	9.8	10.0		
19	7.7	7.4	0.9	9.8	9.7	7.2	9.7	7.3	6.7	9.7	7.3		
20	8.7	0.9	7.0	9.0	7.7	18.0	8.0	10.4	10.6	11.4	8.8	10.4	
21	9.1	6.8	4.8	8.6	9.7	8.7	7.6	8.6	9.0	9.6	8.4	9.0	
Summary:	WBC Diff	WBC Diff: Monocytes,	tes, %										
Average	8.9	8.1	6.7	9.0	8.8	9.3	8.7	8.5	9.4	9.4	8.7	8.0	7.8
Std Dev	3.1	2.5	2.5	1.9	3.1	3.0	2.2	1.2	3.1	3.3	2.0	2.6	0.5
Max	17.0	14.6	13.5	13.0	15.0	18.0	14.8	10.7	19.0	20.5	12.8	10.4	8.0
Nii	5.0	3.6	2.0	6.0	1.0	5.7	6.0	6.2	0.9	6.2	0.9	3.0	7.0

Figure 21: SD & Range Charts for WBC Diff: Monocytes, % Day of Protocol Box = Mean ±1 SD; Line = Min to Max Scrn WBC Diff: Monocytes, %

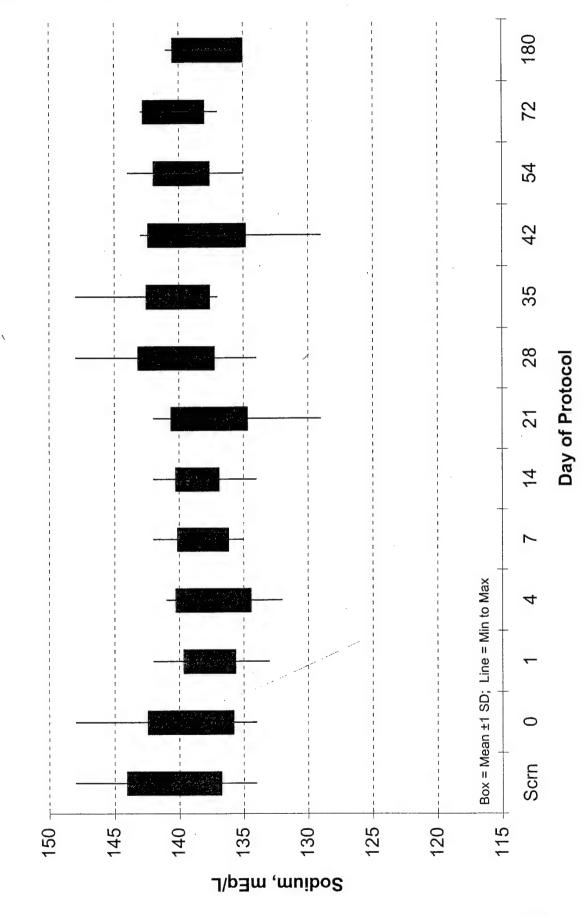
		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
10	27.0	26.0	35.5	33.0	39.5	29.1	28.3	26.2	28.2	25.4	34.1	31.6	24.0
02	33.0	37.0	48.0	31.9	33.5	35.2	35.0	34.0	23.8	39.6			
03	37.7	37.7	40.7	48.2	28.3	43.3	43.3	46.7	39.4	42.9	32.9	16.0	42.0
04		30.2	34.1	30.9	38.8	35.0	26.2	18.5	33.0				
	38.4	34.1	39.4	45.0	37.0	34.0	34.9	31.0					
90	35.0	27.6	35.1	34.0	32.5	29.4	24.5	33.7	30.6	28.1	33.0	19.1	29.0
07	39.0	40.9	38.1	36.2	31.1	30.2	32.0	24.4		32.3	28.0		
80	31.0	41.7	45.0	34.0	43.0								
60	27.2	22.2	26.0	24.2	23.5	27.0	24.3	21.2	19.5	21.7	24.9		
10	38.5	40.9	39.6	30.2	48.0	32.0	26.2	28.7	32.1	38.7	39.2		
11	26.3	12.9	16.0	44.0	42.0	35.5	30.3	2.2		31.5			
12	30.9	39.6	33.2	39.8	37.0	34.9	37.7	34.9	36.0	35.9	34.5		
13	33.6	35.2	43.6	39.1	30.6	39.6	42.6	42.6	37.8	40.9	42.5	29.5	
14	21.0	31.0	29.2	29.0	24.2	26.5	28.9	21.9	19.8				
15	43.7	46.0	37.0	41.7	31.0	42.6	44.0	31.0	32.0	39.9	37.0		21.0
16	34.0	26.7	32.0	35.2	31.5	30.0	31.0	35.7	34.4	35.7			
17	21.2	22.0	29.5										
18	26.0	36.6	44.0	40.0	36.9	48.1	38.0	36.1	40.8	55.4	44.5		
19	35.9	33.1	44.0	36.1	40.2	24.5	42.9	39.1	37.5	29.9	32.3		
20	36.4	45.0	0.09	42.0	37.9	40.0	38.0	36.1	34.0	50.5	23.6	42.1	
21	27.8	24.0	29.1	26.2	28.8	28.7	32.7	28.6	31.0	35.8	27.6	29.5	
Summary.	WBC Diff	WBC Diff: Lymphocytes %	cvtes. %										
Average	32.2	32.9	37.1	36.0	34.8	34.0	33.7	30.1	31.9	36.5	33.4	27.9	29.0
Std Dev	6.2	8.6	9.2	6.4	6.4	6.4	9.9	9.9	6.4	8.7	6.4	9.4	9.3
Max	43.7	46.0	0.09	48.2	48.0	48.1	44.0	46.7	40.8	55.4	44.5	42.1	42.0
Min	21.0	12.9	16.0	24.2	23.5	24.5	24.3	2.2	19.5	21.7	23.6	16.0	21.0

Figure 22: SD & Range Charts for WBC Diff: Lymphocytes, %



		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	41	21	28	35	42	54	72	180
04	138	136	137	140	137	140	140	140	142	140	141	139	141
02	136	136	138	138	137	138	136	148	148	129			
03	140	140	141	136	136	134		140	140	141	140	142	139
04	141	141	138	134	139	139		141	138				
02	142		136	139	142	142	142	142					
90	142	142	137	141	138	139	141	140	140	138	140	137	135
07	136		133	132	138	139	140	143	138	141	141		
80	147	138	137	135	137								
60	148	141	142	138	139	139	140	142	140	143	142		
10	137	134	137	132	135	137	135	137	138	138	135		
11	145	135	135	138	137	140	139	138		138			
12	137	139		140	141	141	136	140	138	140	141		
13	140	148	139	141	142	139	138	134	140	139	141		
14	141	138	. 136	137	137	137	136	140	140				
15	140	139	139	141	141	138	139	140	139	142	139		136
16	141	141	138	141	139	138	138	140	140	143	139		
17		140	139									-	
18	134	135	137	134	137	137	136	141	141	133	138		
19	141	142	137	138	136	138	129	141	137		138		
20	138	139	140	137	138	139	138	142	140	135	138	141	
21	144		137	135	137	139	137	135	142	139	144	143	
			٠										
Summary:	Sodium, mEq/L	mEq/L											
Average	140	139	138	137	138	139	138	140	140	139	140	140	138
Std Dev	04	03	02	03	02	02	03	03	02	94	05	05	03
Max	148	148	142	141	142	142	142	148	148	143	144	143	141
Min	134	134	133	132	135	134	129	134	137	129	135	137	135

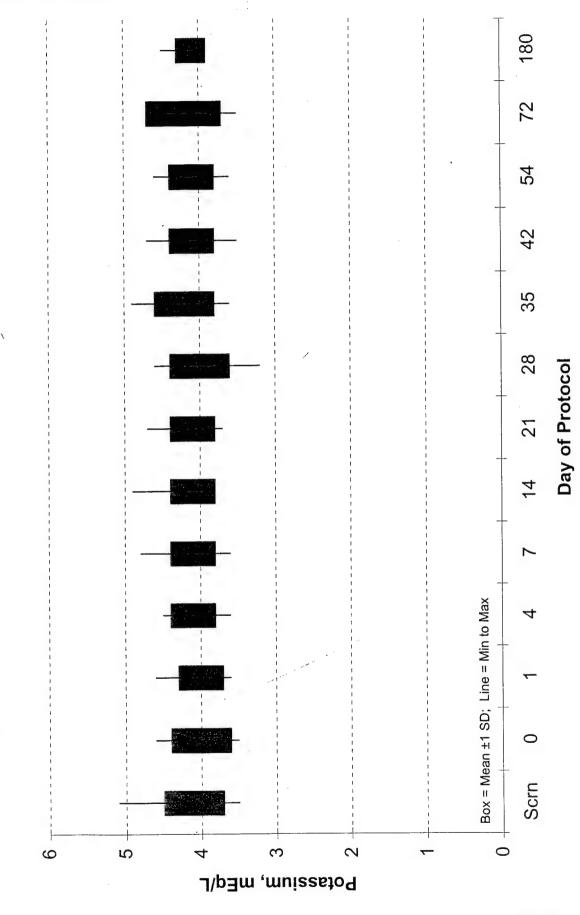
Figure 23: SD & Range Charts for Sodium, mEq/L



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Subject	Scrn	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	
		0	-	4	7	14	21	28	35	42	54	72	180
10	3.9	3.5	3.9	3.7	3.6	3.8	3.7	3.3	3.7	3.8	3.6	3.7	4.0
05	4.1	4.1	4.4	4.2	3.9	4.0	4.1	3.9	3.6	4.5			
03	3.8	4.3	4.3	4.5	4.1	4.2	4.2	4.2	4.1	4.7	4.1	4.4	4.2
04	3.7	3.5	4.5	3.9	4.2	3.9		4.6	4.4				
05	3.7		4.1	3.6	3.8	3.8	3.7	4.0			4.3		
90	4.5	4.9	3.9	4.0	3.8	3.9	4.2	4.2	44.0	4.0	4.3	4.4	3.9
20	4.6		3.8	3.8	4.3	4.2	4.7	4.4	4.9	4.1	4.4		
80	4.5	4.0	3.6	3.9	4.1								
60	4.1	4.0	3.9	3.8	4.1	4.0	4.0	4.3	4.0	4.2	4.3		
10	3.5	3.7	3.9	4.0	4.0	4.2	4.0	3.9	4.0	4.3	4.0		
1	3.8	3.9	3.7	4.0	4.1	4.0	3.9	3.7	3.7	3.9			
12	4.0	4.6		4.1	4.4	4.3	4.3	4.1	4.3	4.1	3.9		
13	4.4	4.1	4.0	3.8	3.9	3.9	4.1	3.6	3.7	4.4	3.8		
14	4.2	3.6	4.0	4.2	4.8	4.3	4.6	4.1	4.3				4.1
15	3.9	3.5	3.6	3.9	4.1	4.0	4.1	4.3	4.6	3.8	4.1	4.7	
16	5.1	4.3	4,3	4.5	4.2	4.9	4.3	4.4	4.6	4.4			
17		3.8	3.6										
18	4.6	4.4	4.6	4.5	4.1	4.2	4.2	4.2	4.5	4.2	4.5		
19	4.0	4.2	3.8	4.2	4.1	4.4	4.0	4.2	4.2		4.0	3.5	4.2
20	3.6	3.7	3.8	4.1	3.6	4.3	4.2	3.2	3.7	3.5	4.0	4.7	4
21	4.5	3.8		4.5	4.1	4.3	4.2	4.3	4.4	4.2	4.6		4
Summary:	Potassium, mEq/I	n, mEq/L											
Average	4.1	4.0	4.0	4.1	4.1	4.1	4.1	4.0	4.2	4.1	4.1	4.2	4.1
Std Dev	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.5	0.5
Max	5.1	4.6	4.6	4.5	4.8	4.9	4.7	4.6	4.9	4.7	4.6	4.7	4.5
Min	3.5	25	36	3.6	3.5	38	3.7	3.2	3.6	3.5	36	3.5	30

Figure 24: SD & Range Charts for Potassium, mEq/L



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		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	1	4	7	14	21	28	35	42	54	72	180
0.1	86	95	101	101	103	105	00	102	105	101	105	108	106
02	100	66	105	103	103	100	86	101	103		2		2
03	107	106	103	105	107	102		104	110	106	106	112	109
04	103	103	104	101	105	105		104	104				
05	106		104	108	109	108	108	106					
90	103	108	107	106	104	106	105	102	105	100	103	104	98
20	102		106	109	104	108	102	108	105	105	106		
80	113	105	104	108	104								
60	113	106	107	108	105	109	105	104	105	104	106		
10	102	102	106	107	105	109	104	105	106	108	103		
11	109	106	106	108	104	110	104	104		108			
12	103	104		104	105	103	106	105	105	107	105		
13	102	103	103	109	104	104	102	66	105	100	106		
14	104	104	103	108	103	105	106	107	107		-		
15	103	102	103	107	103	105	106	103	103	110	108		96
16	102	106	107	108	107	104	106	109	109	110	108		
17		101	106										
18	102	102	105	100	104	104	101	102	103	106	100		
19	104	104	104	102	66	104	105	102	106		111		
20	106	104	103	100	102	103	105	103	103	104	107	104	
21	105		102	102	104	100	107	100	105	105	105	109	-
Summary:	Chloride,	mEq/L											
Average	104	103	104	105	104	105	104	104	105	105	106	107	102
Std Dev	90	03	02	03	02	03	03	03	02	03	03	03	90
Max	113	108	107	109	109	110	108	109	110	110	111	112	109
Min	80	30	101	100	5	007	0	0	400	00,	007	707	00

SD & Range Charts for Chloride, mEq/L Day of Protocol Box = Mean ±1 SD; Line = Min to Max Figure 25: Scrn Chloride, mEq/L

		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	AVQ	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
		are the specific con-										0	
01	34.2	26.4	28.8	29.8	29.5	26.9	29.0	31.2	25.4	26.3	29.9	28.0	30.9
05	27.1	27.7	26.0	28.5	29.4	30.0	28.2	29.3	26.7				
03	28.0	29.4	29.6	25.3	25.5	24.6		28.7	25.7	19.9	22.4	25.4	28.0
94	24.6	36.2	27.1	27.2	27.1	28.5		25.3	29.0				
05	29.6		25.9	28.3	28.4	29.2	27.1	9.08					
90	33.2	27.1	27.9	31.4	26.7	28.0	28.2	27.9	31.2	23.1	31.2	27.3	30.1
07	31.0		27.8	23.7	26.9	28.0	25.1	29.7	26.0	29.3	25.6		
80	25.4	25.5	26.2	29.7	25.3								
60	25.2	29.5	28.3	27.2	26.0	27.8	26.7	29.6	30.4	30.9	27.5		
10	22.4	20.8	24.1	23.0	21.2	24.3	24.2	24.9	23.2	24.1	22.4		
11	24.2	26.1	27.6	26.9	29.6	28.3	26.1	25.8		26.4			
12	29.2	26.0		24.0	29.0	28.4	24.9	28.5	28.6	25.2	28.8		
13	27.4	28.9	27.7	28.3	27.8	30.7	28.1	26.1	25.0	25.5	29.0		
14	29.1	22.3	24.5	24.3	26.1	24.0	22.3	23.5	21.4				
15	31.1	27.7	29.2	29.6	27.9	25.0	25.5	29.8	27.6	25.5	31.5		
16	33.7	22.0	24.8	26.8	24.2	30.0	26.9	26.4	24.6	23.6	28.9		
17		26.9	26.5					,					
18	27.7	27.1	25.4	28.2	28.0	24.2	24.1	26.8	29.9	27.0	29.3		
19	29.1	25.9	26.3	27.5	28.5	27.3	28.3	28.5	29.3				
20	28.7	25.5	24.3	26.8	24.9	27.2	26.9	20.1	28.8	23.5	25.7	25.4	
21	29.5		24.8	29.8	26.3	27.9	30.3	26.1	27.6	22.2	30.5	29.4	
Summary:	CO2, mEq/L												1
Average	28.5	26.7	26.6	27.3	26.9	27.4	26.6	27.3	27.1	25.2	27.9	27.1	29.7
Std Dev	03.2	03.4	01.7	02.3	02.1	02.1	02.1	02.7	02.7	02.8	03.0	01.7	01.5
Max	34.2	36.2	29.6	31.4	29.6	30.7	30.3	31.2	31.2	30.9	31.5	29.4	30.9
Min	22.4	20.8	24.1	23.0	21.2	24.0	22.3	20.1	21.4	19.9	22.4	25.4	28.0

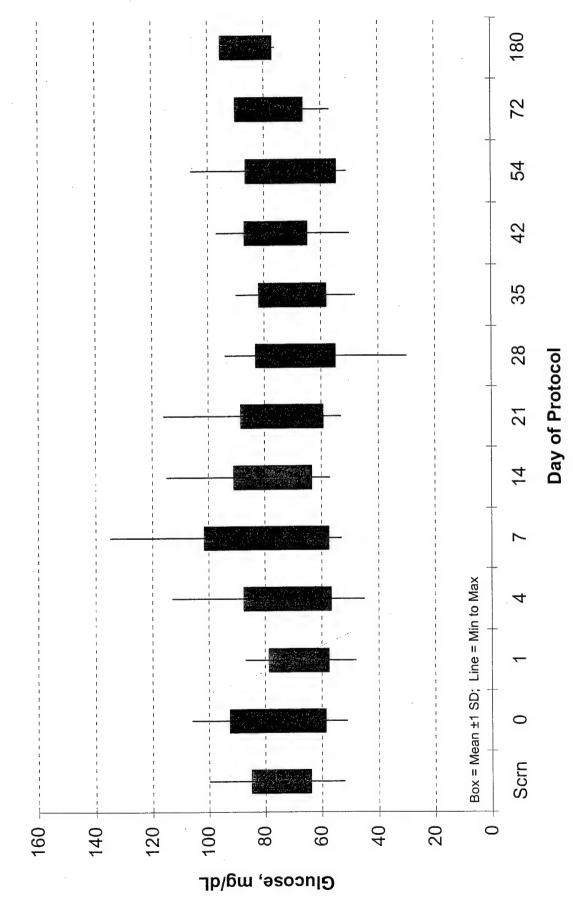
SD & Range Charts for CO2, mEq/L Day of Protocol Box = Mean ±1 SD; Line = Min to Max Figure 26: Scrn CO2, mEq/L

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		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
					3			S	8	C	c i	ć	2
01	78	83	7.0	/4	83	91	28	9	63	ဂင	/3	83	8.
02	75	82	92	72	94	20	53	56	86				
03	71	29	9/	74	85	73		75	75	77	52	98	9/
04	78	106	9/	83	84	91		9/	75				1
05	84		09	92	69	82	69	82					
90	80	86	75	57	9/	57	82	59	06	74	64	80	95.
20	70		65	61	29	84	78	94	57	83	74		
80	87	77	53	29	53								
60	29	54	26	63	55	64	09	09	72	99	51		
10	100	93	81	80	62	115	82	75	88	26	64		
11	79	80	87	98	74	29	64	89		85			
12	84	09		45	89	29	83	83	78	81	98		
13	70	58	64	75	55	77	74	83	65	74	106		
14	62	29	28	113	89	71	77	65	48				
15	64	52	53	29	54	62	116	54	09	62	28		93
16	82	99	9	84	92	78	61	92	75	9/	88		
17		51	75										
18	99	83	92	74	125	26	63	89	54	82	69		
19	71	98	20	64	135	75	73	22	89				
20	89	80	48	48	61	77	80	30	62	75	92	22	
21	52		77	62	88	69	83	73	74	80	55	85	
Summary:	Glucose, mg/dL	mg/dL											
erage	74	9/	89	72	80	7.7	74	69	20	9/	71	78	86
Std Dev	11	17	11	16	22	14	15	14	12	11	16	12	60
Max	100	106	87	113	135	115	116	94	06	26	106	86	92
	52	51	48	45	53	22	53	30	48	50	5.	57	76

SD & Range Charts for Glucose, mg/dL Figure 27:



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## Table 10a Alkaline Phosphatase

		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	~	4	7	14	21	28	35	42	54	72	180
01	91	100	89	83	6/	06	94	77	88	90	87	88	× 113
02	81	86	77	80	75	98	81	92	70				
03	46	47	59	45	49	20	54	55	46	51	64	59	65
04	65	62	54		56	55		58	99				•
05	63		55	55	59	57	09	20					
90	77	75	72	- 67	70	7.1	2.2	93	96	93	96	100	103
70	89		70	83	74	72	69	84	73	77	80		
90	65	09	56	53	53								
60	29	65	64	69	68	65	73	.99	28	61	29		
10	84	78	72	69	74	85	77	81	87	98	85		
11	104	109	110	101	84	110	102		83				
12	29	55		53	56	29	-	65	65	65	64		
13	89	65	57	55	09	64	92	63	58	64	54		
14	71	77	75	9/	9/	65	28	29					
15	72	57	53	56	55	52	55		65	53	29		99
16	86	83	80	85	82	88	100	89	80	70	78		
17		81						,					
18	61	61	09	. 64	64	29	22	63	99	63	78		
19	78	79	70	75	72	75	69	75	76		81		
20	73	78	71	72	69	62	65	20	99	62	69	9/	
21	61		25	58	09	58	29	26	26	53	09	57	
Summary:	Alkaline	Phosphate, IU/L	, IU/L										
Average	73	73	89	89	29	20	71	72	71	68	74	9/	87
Std Dev	13	16	14	14	10	16	15	13	13	14	12	19	24
Max	104	109	110	101	84	110	102	92	96	93	96	100	113
2.	46	47	53	45	49	50	54	55	46	51	54	22	65

Figure 28: SD & Range Charts for Alkaline Phosphate, IU/L Box = Mean ±1 SD; Line = Min to Max Scrn Alkaline Phosphate, IU/L

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Day of Protocol

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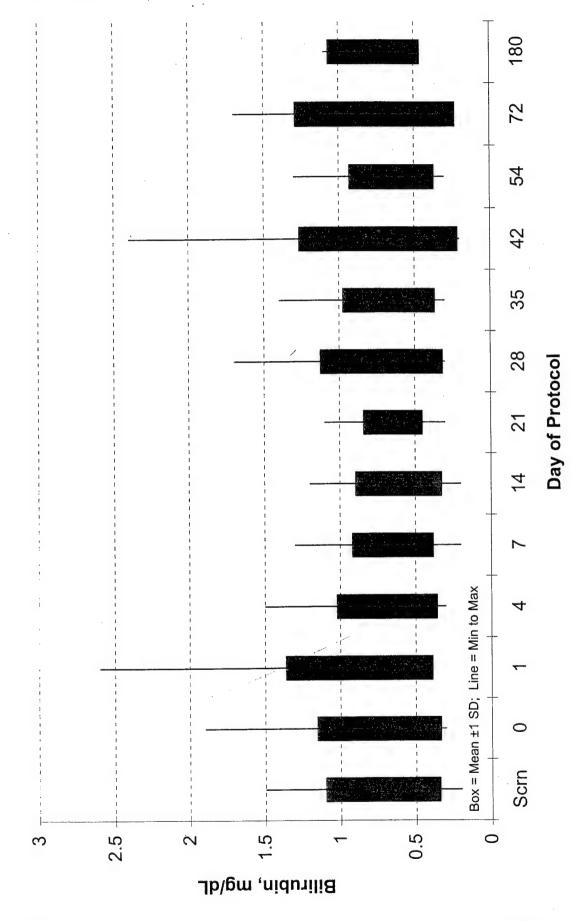
		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	1	4	7	14	21	28	35	42	54	72	180
10	4.50	4.60	4.10	4.00	3.70	4.10	4.40	3.90	4.40	4.20	4.20	4.30	4.00
02	4.10	3.60	3.70	3.80	4.20	4.20	4.00	4.00	3.70				
03	4.00	3.70	4.10	3.40	3.40	3.60	4.00	4.30	3.80	4.10	3.70	3.90	4.00
04	4.50	4.10	4.30	4.00	3.90	3.70		4.20	4.30				
05	4.10	3.60	3.70	3.60	3.60	3.70	3.90	4.60					
90	4.30	4.50	4.30	3.90	4.10	3.70	4.20	4.30	4.50	4.20	4.10	3.90	4.60
70	4.30	3.90	3.90	3.90	4.30		4.10	4.20	4.10	4.10	4.10		
80	4.40	4.10	3.80	3.80	3.90								
60	3.80	3.40	3.60	3.60	3.60	3.40	3.80	3.70	3.20	3.60	3.70		
10	3.80	3.70	3.60	3.60	3.50	3.50	3.20	3.70	3.70	3.30	3.80		
11	3.80	3.70	3.90	3.50	3.80	3.70	3.60	3.90	3.50				
12	4.80	4.60	4.60	3.80	3.90	3.90	4.00	4.20	4.20	4.00	3.90		
13	4.20	4.40	3.90	3.60	3.80	3.60	4.00	4.00	4.30	4.80	4.20		
14	3.60	3.30	3.10	3.50	3.70		3.60	3.60	3.60				
15	4.90	4.10	3.80	4.00	4.00	3.80	4.00	4.30	4.30	3.20	3.70		4.70
16	3.80	3.70	3.50	3.60	3.40			/	3.70				
17			4.20										
18	3.80	3.70	3.60	3.70	3.50	3.50	3.60		3.90	3.40	4.20		
19	4.30	4.30	4.00	4.10	3.90	4.00	3.90	4.20	4.30		4.00		
20	4.50	4.10	4.00	4.20	3.90	3.90	3.90	4.40	4.20	3.70	4.10	4.40	
21	4.30		4.00	4.00	4.10	4.10	4.20	4.20	4.20	3.80	3.90	4.20	
Summary:	Albumin, g/dL	, g/dL											
Äverage	4.19	3.95	3.89	3.78	3.81	3.78	3.91	4.10	3.99	3.87	3.97	4.14	4.33
Std Dev	0.36	0.40	0.33	0.23	0.26	0.24	0.28	0.27	0.37	0.46	0.20	0.23	0.38
Max	4.90	4.60	4.60	4.20	4.30	4.20	4.40	4.60	4.50	4.80	4.20	4.40	4.70
Min	3.60	3.30	3.10	3.40	3.40	3.40	3.20	3.60	3.20	3.20	3.70	3.90	4.00

180 72 54 Figure 29: SD & Range Charts for Albumin, g/dL 42 35 28 Day of Protocol 21 4 Box = Mean ±1 SD; Line = Min to Max Scrn 0 ന 2 9 2 Jb/g ,nimudlA

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Subject	Scrn	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
		. 0	-	4	7	14	21	28	35	42	54	72	180
10	0.4	9.0	0.8	0.5	9.0	0.5	0.7	9.0	9.0	0.7	0.5	0.4	0.70
02	9.0	0.7	0.5	0.5	9.0	0.5	0.5	0.7	0.4				
03	0.5	9.0	6.0	0.5	9.0	0.4		0.7	0.4	0.7	0.3	0.5	0.50
04	0.5	9.0	9.0	9.0	0.4	0.4		0.3	0.4	0.5			
05	9.0		0.5	9.0	0.5	9.0	9.0	9.0					
90	1.0	0.8	1.1	0.4	0.7	0.7	0.8	8.0	0.8	1.3	0.8	9.0	1.10
20	9.0		0.7	0.3	0.4	0.2	0.4	0.5	0.4	0.5	0.4		
80	0.5	9.0	9.0	0.5	0.5								
60	9.0	9.0	9.0	6.0	0.7	9.0	8.0	0.3	0.5	0.5	9.0		
10	0.2	0.3	0.4	0.4	0.3	0.2	0.4	0.3	0.3	0.2	0.3		
17	0.7	0.3	9.0	0.4	9.0	9.0	6.0	0.5		0.5			
12	1.3	1.1		1.0	0.7	6.0	9.0	6.0	0.8	6.0	0.8		
13	1.5	1.9	2.6	1.5	1.3	1.1	8.0	1.7	1.4	2.4	1.1		
14	0.8	0.7	1.0	0.8	0.7	9.0	9.0	1.0	1.0				
15	1.0	0.5	0.8	0.8	0.7	6.0	9.0	0.8	0.7	0.5	9.0		_
16	0.3	0.5	9.0	0.8	0.7	6.0	9.0	8.0	0.7	0.5	9.0		
17		0.8	1.0	V.									
18	4.0	0.5	0.6	0.4	0.2	0.2	0.3	0.3	0.5	0.4	0.5		
19	1.0	0.7	1.0	6.0	0.7	9.0	9.0	0.8	0.8		0.7		
20	1.5	1.6	1.6	1.4	1.3	1.2	1.1	1.7	1.2	6.0	1.3	1.7	
21	9.0		0.8	0.8	0.8	0.5	0.7	0.4	0.5	9.0	9.0	9.0	
Summary:	: Bilirubin, mg/dl	, mg/dL											
Average	0.7	0.7	6.0	0.7	0.7	9.0	9.0	0.7	0.7	0.7	0.7	0.8	77.0
Std Dev	9.0	4.0	0.5	0.3	0.3	0.3	0.2	0.4	0.3	0.5	.0.3	0.5	0.31
Max	1.5	1.9	2.6	1.5	1.3	1.2	1.1	1.7	1.4	2.4	1.3	1.7	1.10
Min	0.2	0.3	0.4	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.4	0.50

Figure 30: SD & Range Charts for Bilirubin, mg/dL



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		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	ΝΔΛ	> V
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
01	16	14	17	10	17	14	18	13	16	15	15	12	12
02	19	10	10	12	11	12	18	6	8		,		!
03	14	17	16	12	7	12		12	12	15	14	12	15
04	14.8	11.2	16	14	15	1		13	12				
05	6		14	12	12	13	12	8					
90	17	14	16	18	16	14	15	13	12	17	15	12	14
07	20		10	15	16	20	21	16	10	16	13		
08	13	14	18	18	20								
60	14	12	11	14	13	15	14	13	15	18	12		
10	15	11	11	6	10	18	12	7	12	13	8		
11	13	12	10	13	10	13	8	10		6			
12	10	15		12	12	14	14	11	12	10	1		
13	13	14	17	14	13	13	13	11	13	6	19		
14	12	14	12	12	11	13	15	15	15				
15	12	13	11	13	13	12	11	1	11	10	11		16
16	10	14	13	17	14	13	15	15	12	10	15		
17		10.5	6										
18	8	14	6	11	80	10	14	12	10	11	7		-
19	16	18	15	17	17	14	18	11	13		12		
20	12	11	10	10	10	12	11	8.3	8	10	6	14.1	
21	25		18	23	21	17	20	22	23	22	24	22	
Summary:	BUN, mg/dL	.			,								
Average	14	13	13	14	14	14	15	12	13	13	13	14	14
Std Dev	8	02	03	03	03	02	03	03	03	04	90	90	02
Max	25	18	- 1		21	20	21	22	23	22	24	22	16
Min	80	10	60	60	90	10	80	07	08	60	07	12	12

Blank = Not Obtained

180 72 54 Figure 31: SD & Range Charts for BUN, mg/dL 42 35 28 Day of Protocol 21 4 / Box = Mean ±1 SD; Line = Min to Max 0 Scrn 30 25 20. 15 10 2 0 ВЛИ, mg/dL

Dec. 17, 1998

Units: mg/dL

Table 10e Calcium

Blank = Not Obtained

		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAT
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
10	9.40	9.30	8.90	8.50	8.70	8.80	9.10	8.80	9.10	8.30	8.60	8.90	9.20
02	9.20	9.20	9.20	8.80	9.10	9.50	9.30	9.40	8.40				
03	9.30	9.30	9.60	8.30	8.90	6.80		9.10	8.40	9.00	8.70	9.20	9.20
94	9.10	8.70	9.10	8.70	8.70	8.60		9.20	8.80	9.00			
05	8.80		8.30	8.40	8.30	8.20	8.50	9.10					
90	9.10	9.40	8.60	8.30	8.50	7.80	9.20	9.30	9.10	8.80	8.70	8.80	9.10
07	9.00		8.60	8.30	8.90	8.70	9.10	9.10	8.70	8.80	8.50		
80	9.00	8.90	8.50	7.80	8.40								
60	8.60	8.70	8.20	7.90	8.60	8.70	9.00	8.70	7.60	8.50	8.80		
10	8.50	8.90	8.60	7.70	8.60	8.50	8.70	8.60	8.30	8.50	9.00		,
11	8.50	8.30	8.20	8.10	8.80	8.20	8.60	8.20		8.00			
12	9.50	9.50		8.80	9.10	9.00	9.30	9.40	9.50	9.10	9.20		
13	9.00	8.90	9.10	8.10	8.30	8.70	9.60	8.70	9.00	9.40	9.00		
14	8.70	8.20	8.30	8.90	8.90	8.70	9.00	9.00	8.60				
15	9.10	8.60	8.60	8.20	8.90	8.70	8.80	8.90	9.00	7.70	8.10		
16	8.60	8.00	8.40	8.30	8.40	8.60	8.90	8.40	8.50	8.30	8.10		
17		9.60	8.70										
18	9.30	8.70	9.10	9:30	9.10	8.70	9.20	8.80	9.00	8.70	9.20		
19	9.10	8.80	8.70	9.20	8.80	9.30	8.90	9.30	9.00		8.80		
20	8.50	8.00	8.30	8.70	8.30	8.50	8.30	9.00	6.80	8.30	8.30	8.80	
21	8.90		8.40	8.80	8.80	8.70	8.80	8.80	9.20	8.10	8.80	9.00	
Summary:	Calcium, mg/dL	ma/dL											
Average	8.96	8.83	8.67	8.46	8.71	8.56	8.96	8.94	8.65	8.57	8.70	9.00	9.17
Std Dev	0.31	0.49	0.38	0.44	0.27	0.57	0.33	0.33	0.65	0.46	0.36	0.17	90.0
Max	9.50	9.60	9.60	9.30	9.10	9.50	9.60	9.40	9.50	9.40	9.20	9.20	9.20
Min	2 50	000	00 8	7.70	8 30	000	000	000	08.8	7 70	0 10	S AO	0 10

180 72 54 Figure 32: SD & Range Charts for Calcium, mg/dL 42 35 28 Day of Protocol 21 4 Box = Mean ±1 SD; Line = Min to Max 0 Scrn 6.5 9 9.5 8.5 7.5 10 6  $\infty$ Calcium, mg/dL

Dec. 17, 1998

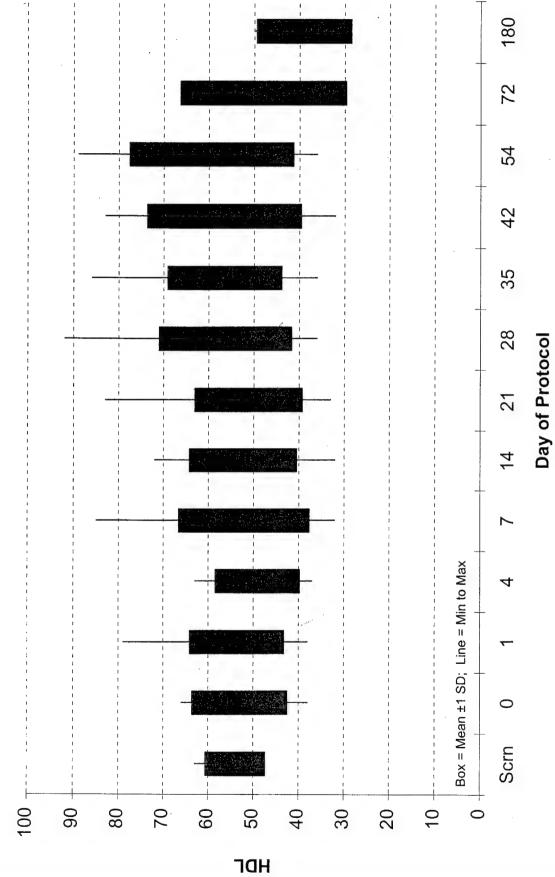
ubject         Scrn         0         1         4         7         14         21         28         35           01         200         229         210         188         192         201         192         207         192         207         186         169         175         207         118         109         207         118         109         207         118         169         175         207         207         118         169         175         207         207         118         160         118         175         170         160         118         160         173         173         173         173         177         160         160         171         160         170         160         171         160         170         160         170         160         171         160         170         160         171         160         171         160         170         171         160         182         171         160         182         182         182         182         182         182         182         182         182         182         182         182         182         182         182         182         <			DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
200         229         210         198         192         201         190         192         207         188           207         187         264         167         166         169         177         170         150         118           207         187         265         167         168         177         170         150         167         175           191         184         179         173         173         171         160         177         175         171         160         175           191         182         175         172         201         196         182         177         160         177         160         177         160         177         160         177         160         177         177         160         188         177         160         188         177         160         188         177         162         188         177         163         188         177         162         188         177         162         189         152         224         224         484         440         381         396         162         177         183         162         183	Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
01 200 229 210 188 192 201 210 192 207 188   02 3 4 186 167 165 169 177 170 150 118 175   03 207 187 125 171 168 175 207 207 167 175   05 101 184 184 172 188 172 201 196 182 177   07 364 308 297 288 326 424 484 440 381 349   08 192 191 186 195 194 177 172 14 189 154 182   100 172 202 188 186 170 191 158 207 171 163 163   101 217 188 186 170 191 158 207 178 192   102 202 188 187 170 191 158 207 178 192   103 177 183 177 167 167 167 168 170 191 158   104 214 193 185 212 226 234 206 157   105 173 173 175 175 175 176 199 199 198 199   106 173 174 175 175 175 176 199 198 200 201 192   107 184 206 173 184 197 202 213 193 200 201 192   108 190 190 190 198 189 198 189 207 200 201 192   109 100 173 177 188 184 197 202 213 193 200 201 183   100 100 100 100 192   100 100 100 193 185 188 189 207 201 199 198 189   100 100 100 190 190 198 189 207 201 199 209 183   100 100 100 100 190 190 190 190 190 190														
02         186         167         165         169         177         170         150         118           03         207         187         164         179         173         173         173         173         177         160         175         175         175         175         175         175         175         177         160         175         175         175         175         175         175         177         160         175         177         160         175         177         160         175         177         160         175         177         160         175         177         160         175         177         160         175         177         160         175         177         178         177         178         178         178         183         177         188         186         170         179         160         162         163         184         187         202         225         225         225         225         225         225         225         225         225         225         224         206         141         183         183         184         490         183         183	15	200	229	210	198	192	201	210	192	207	188	185	225	184
03         207         187         225         171         168         175         207         203         167         175           04         191         154         164         179         173         173         171         160         175         175           05         101         164         164         179         173         171         160         175         175         171         160         175         175         171         160         175         175         171         160         175         177         178         177         176         177         178         177         178         177         172         171         163         163         170         177         172         171         172         171         172         173         173         174         188         186         170         191         158         170         172         173         163         170         172         174         183         185         172         172         173         183         182         183         180         180         180         180         180         180         180         180         180	02		186	167	165	169	177	170	150	118				
04         191         154         164         179         173         173         171         160         90           05         101         92         97         97         101         105         90         177         160           06         191         182         172         188         172         201         196         182         177           07         364         308         297         288         326         424         484         440         381         349           09         202         188         186         195         194         187         214         189         154         182         177           10         179         164         166         153         158         171         172         171         163         168         170         191         158         207         178         163         168         160         162         172         171         172         174         183         167         162         159         179         160         162         162         172         172         171         162         162         173         162         173 <td>03</td> <td>207</td> <td>187</td> <td>225</td> <td>171</td> <td>168</td> <td>175</td> <td>207</td> <td>203</td> <td>167</td> <td>175</td> <td>137</td> <td>146</td> <td>126</td>	03	207	187	225	171	168	175	207	203	167	175	137	146	126
05         101         92         97         101         105         90         177           06         191         182         175         172         188         172         201         196         182         177           07         364         308         297         288         326         424         484         440         381         349           08         192         196         195         194         18         484         440         381         349           09         202         198         196         196         164         186         196         167         188         186         170         181         187         183         171         183         171         182         204         187         204         187         183         168         170         191         158         207         178         192         182	04	191	154	164	179	173	173		171	160				
06         191         182         175         172         188         172         201         196         182         177           07         364         308         297         288         326         424         484         440         381         349           08         192         191         186         195         194         8         424         484         440         381         349           09         202         191         186         195         194         18         182         182         182         182         182         182         182         182         182         171         183         183         185         170         172         171         163         163         172         173         183         185         212         222         225         225         225         225         224         220         206         214         218         180         162         162         169         172         180         162         180         162         180         180         180         180         180         180         180         180         180         180         180 <th< td=""><td>05</td><td>101</td><td></td><td>92</td><td>97</td><td>97</td><td>101</td><td>105</td><td>96</td><td></td><td></td><td></td><td></td><td></td></th<>	05	101		92	97	97	101	105	96					
07         364         308         297         288         326         424         484         440         381         349           08         192         191         186         195         194         88         195         194         88         186         195         194         88         189         200         204         187         214         189         153         163	90	191	182	175	172	188	172	201	196	182	177	163	155	176
08         192         191         186         195         194          214         189         154         182           09         202         188         189         200         204         187         214         189         154         182           10         179         164         166         153         158         171         172         171         163         163           11         217         188         186         170         191         158         207         178         163         163           12         242         231         224         222         225         232         182         182         182         182         182         182         182         182         182         182         182         182         182         182         182         182 <t< td=""><td>20</td><td>364</td><td>308</td><td>297</td><td>288</td><td>326</td><td>424</td><td>484</td><td>440</td><td>381</td><td>349</td><td>171</td><td></td><td></td></t<>	20	364	308	297	288	326	424	484	440	381	349	171		
09         202         188         189         204         187         214         189         154         182           10         179         164         166         153         158         171         172         171         163         163           11         217         188         186         170         191         158         207         178         192         163           12         242         224         222         225         232         225         234         206           13         177         167         162         159         179         160         165         182           14         214         193         185         212         220         206         214         218         200         201         192           16         173         184         197         202         213         193         200         201         192           17         199         196         219         207         201         199         195         184         114         132         121         141         138         127         109           19         190	08	192	191	186	195	194								
10         179         164         166         153         158         171         172         171         163         163           11         217         188         186         170         191         158         207         178         192           12         242         224         222         225         232         225         234         206           13         177         167         167         162         159         179         160         165         182           14         214         193         185         212         220         206         214         218         200         165         182           15         206         173         184         197         202         213         193         200         201         192           16         173         184         197         202         213         193         196         196         197         201         199         196         190         196         190         190         190         190         190         190         190         190         190         190         190         190         190         190<	60	202	188	189	200	204	187	214	189	154	182	209		
11         217         188         186         170         191         158         207         178         192           12         242         231         224         222         225         225         225         225         232         226         234         206           13         177         167         162         159         179         160         165         182         206           14         214         214         218         212         220         206         214         218         220         160         165         182         182         182         182         182         200         201         182         182         182         182         200         201         187         187         187         187         187         187         187         187         187         188         188         189	10	179	164	166	153	158	171	172	171	163	163	171		
12         242         231         224         222         225         225         225         235         236         234         206           13         177         183         177         167         162         159         179         160         165         182           14         214         214         220         206         214         218         220         165         182         220           15         206         173         184         197         202         213         193         200         201         192         157         180         157         180         157         180         157         180         157         180         157         180         157         180         157         180         157         180         157         180         157         180         157         180         182         222         217         199         183         183         183         183         183         183         183         183         183         183         183         184         184         440         184         440         184         440         184         184         440	11	217	188	186	170	191	158	207	178	192				
13         177         167         162         159         179         160         165         182           14         214         193         185         212         220         206         214         218         220         201         192           15         206         173         184         197         202         213         193         200         201         192           17         173         175         175         175         175         166         172         180         157           18         206         173         184         197         202         213         193         207         201         199         195         222         217           20         118         114         132         121         141         138         127         109           21         184         197         199         198         189         217         199         209         183           21         184         197         199         198         189         217         199         209         183           22         39         40         40         44	12	242	231		224	222	225	232	225	234	206	201		
14         214         193         185         212         220         206         214         218         220         207         202         213         193         200         201         192           16         173         175         175         175         175         175         180         157           17         173         175         175         175         175         180         157           19         206         173         184         197         202         213         193         200         201         195           19         217         199         196         219         207         201         199         195         222         217           20         118         114         132         121         141         138         183         183         183         183         183         183         183         191         209         194         194         194         191           Imary:         Cholesterol, mg/dL         184         194         64         76         67         57         52         27           Dev         52         39         40         <	13	177	183	177	167	162	159	179	160	165	182	166		
15         206         173         184         197         202         213         193         200         201         192           16         173         172         175         175         175         156         161         166         172         180         157           17         206         173         184         197         202         213         193         200         201         195           20         118         114         132         201         199         196         210         199         198         189         217         199         183         183         183         217         199         209         183           21         184         197         199         198         189         217         199         209         183           1mary:         Cholesterol, mg/dL         183         185         189         217         199         209         183         191           Dev         52         39         40         44         64         76         67         57         52           364         384         329         27         424         484         <	14	214	193	185	212	220	206	214	218	220	•			
16         173         175         175         175         156         161         166         172         180         157           17         206         173         184         197         202         213         193         200         201         193         200         201         193         202         217         199         195         222         217         109         183         185         185         189         185         202         217         199         183         185         189         217         199         183         185         188         191         206         194         194         191           Inmary:         Cholesterol, mg/dL         40         40         44         64         76         67         57         52           Dev         52         39         40         40         44         64         76         67         57         52           101         101         117         92         97         101         105         90         118         109	15	206	173	184	197	202	213	193	200	201	192	225		
17         206         173         184         197         202         213         193         200         201         192           19         217         199         196         219         207         201         199         195         217           20         118         114         132         121         141         138         127         109           21         184         197         199         198         189         217         199         183           21         184         197         199         198         189         217         199         183           1mary:         Cholesterol, mg/dL         183         185         188         191         206         194         194         191           Dev         52         39         40         40         44         64         76         67         57         52           101         117         92         97         101         105         90         118         109	16	173	172	175	175	156	161	166	172	180	157	164		
18         206         173         184         197         202         213         193         200         201         193         195         222         217           20         118         114         132         121         141         138         127         109           21         1184         117         118         114         132         121         141         138         127         109           21         184         197         199         198         189         217         199         183         183           Imary:         Cholesterol, mg/dL         183         185         188         191         206         194         194         191           Dev         52         39         40         40         44         64         76         67         57         52           364         308         297         97         101         105         90         118         109	17													
19         217         199         196         219         207         201         199         195         217         199         195         217         199         197         109         198         189         217         199         209         183         183         183         183         183         183         183         183         183         183         185         188         191         206         194         194         191	18	206	173	184	197	202	213	193	200	201	192	225		
20         118         117         118         114         132         121         141         138         127         109           21         184         197         199         198         189         217         199         209         183           Imary:         Cholesterol, mg/dL         185         188         191         206         194         194         191           Dev         52         39         40         40         44         64         76         67         57         52           364         308         297         288         326         424         484         440         381         349           101         117         92         97         101         105         90         118         109	19	217	199	196		207	201	199	195	222	217	206		
21         184         197         199         198         189         217         199         209         183           Immary:         Cholesterol, mg/dL         Rage         190         183         185         188         191         206         194         194         191           Dev         52         39         40         40         44         64         76         67         57         52           364         308         297         288         326         424         484         440         381         349           101         117         92         97         101         105         90         118         109	20	118	117	118		132	121	141	138	127	109	105	125	
Imary:         Cholesterol, mg/dL         185         186         191         206         194         194         191           Dev         52         39         40         40         44         64         76         67         57         52           101         117         92         97         101         105         90         118         109	21	184		197	199	198	189	217	199	209	183	185	186	
rage         199         190         183         185         188         191         206         194         194         191           Dev         52         39         40         40         44         64         76         67         57         52           364         308         297         288         326         424         484         440         381         349           101         117         92         97         101         105         90         118         109														
rage         199         190         183         185         188         191         206         194         194         191         191           Dev         52         39         40         40         44         64         76         67         57         52         52           364         308         297         288         326         424         484         440         381         349           101         117         92         97         101         105         90         118         109	nmary:	Choleste	rol, mg/dl	ال.										
Dev         52         39         40         40         44         64         76         67         57         52           364         308         297         288         326         424         484         440         381         349           101         117         92         97         97         101         105         90         118         109	rage	199	190	183	185	188	191	206	194	194	191	180	167	162
364         308         297         288         326         424         484         440         381         349           101         117         92         97         101         105         90         118         109	Dev	52	39	40	40	44	64	9/	29	22	52	33	39	31
101 117 92 97 97 101 105 90 118 109		364	308	297	288	326	424	484	440	381	349	225	225	184
		101	117	92	97	97	101	105	90	118	109	105	125	126

Figure 33: SD & Range Charts for Cholesterol, mg/dL Day of Protocol Box = Mean ±1 SD; Line = Min to Max Scrn Cholesterol, mg/dL

Dec. 17, 1998

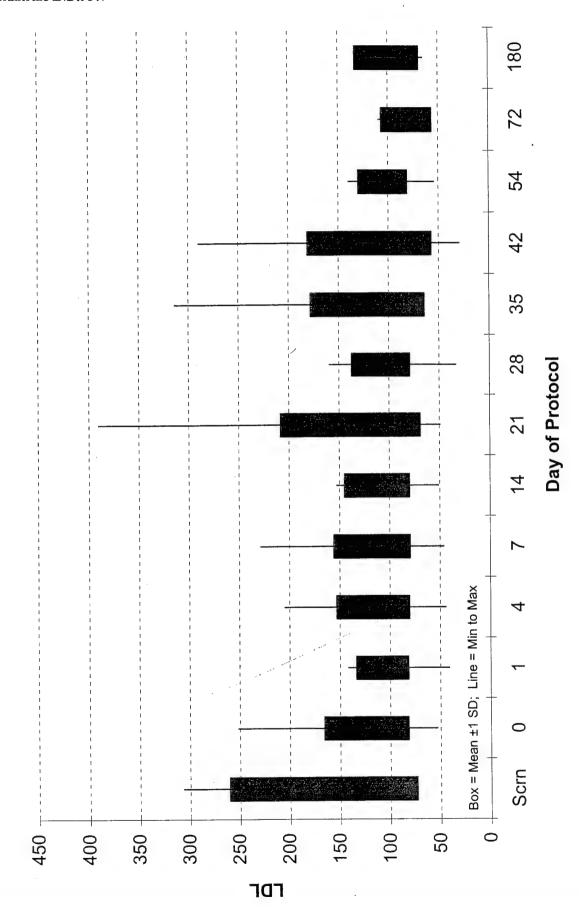
	1	_		1				<u> </u>	Γ		Ι.		1	1	Ι	Γ		I		T	<u> </u>	Ī		Γ	T	Τ-	1	Γ	Γ
DAY	180	ď	3		20			29																		39	11	20	29
DAY	72			1	61			35																		48	18	61	35
DAY	54	30	3	C	53			36	20		52	57		54			89	90		88	89	46	59			59	18	89	36
DAY	42	47	F		47			32	48		45	43		56			82	7.1		83	82	45	55			57	17	83	32
DAY	35	77	36	3	7.1	44			43		41	49		64	20	98	61	99		61	61	55	62			57	13	98	36
DAY	28	S. C.	55	17	7.2	41	49	36			48	29	55	56	48	92	74	99			74	46	20			26	15	92	36
DAY	21	42	4	2 2	52		47	33	55		41	53	49	38	51	83	62	61		62	62	49	41			51	12	83	33
DAY	14						43	32		54		51	48	52	41	72	99	57		99	99	38	47			52	12	72	32
DAY	7	32	36	3		09	44	85	54		40	46	37	52	51	73	64	09		64	64	36	41			52	15	85	32
DAY	4	41	38	3	54	55	44	37	46		42	45		55	44	58	63	28		63	63	38	40			49	60	63	37
DAY	-	47	40	2 1	6/		39	38	47	46	48	56	59		54	63	61	61		61	61	47	59			54	11	79	38
DAY	0	57	40	2 6	99			38		44	42	47	22	65		09	64	58	39	64	64	44				53	11	99	38
Scrn						50			48				55										63		HDL	54	07	63	48
Subject		01	00		03	04	90	90	07	80	60	10	11	12	13	14	15	16	17	18	19	20	21		Summary: HDL	Average	Std Dev	Max	Min

Figure 34: SD & Range Charts for HDL



DAY         DAY <th>Subject</th> <th></th> <th>5</th> <th>00</th> <th>03</th> <th>04</th> <th>05</th> <th>90</th> <th>07</th> <th>08</th> <th>60</th> <th>10</th> <th>-</th> <th>12</th> <th>13</th> <th>14</th> <th>15</th> <th>16</th> <th>17</th> <th>18</th> <th>19</th> <th>20</th> <th>21</th> <th></th> <th><u>:</u></th> <th>Average</th> <th>Std Dev</th> <th></th>	Subject		5	00	03	04	05	90	07	08	60	10	-	12	13	14	15	16	17	18	19	20	21		<u>:</u>	Average	Std Dev	
DAY         DAY <td>Scrn</td> <td></td> <td></td> <td></td> <td></td> <td>119</td> <td></td> <td>The second secon</td> <td>307</td> <td></td> <td></td> <td></td> <td>133</td> <td>and a second</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>109</td> <td></td> <td>Д</td> <td>167</td> <td>94</td> <td>200</td>	Scrn					119		The second secon	307				133	and a second									109		Д	167	94	200
DAY         DAY <td>DAY</td> <td>0</td> <td>150</td> <td>124</td> <td>111</td> <td></td> <td></td> <td>123</td> <td>252</td> <td>131</td> <td>130</td> <td>102</td> <td>118</td> <td>154</td> <td></td> <td>122</td> <td>83</td> <td>95</td> <td>150</td> <td>83</td> <td>125</td> <td>53</td> <td></td> <td></td> <td></td> <td>124</td> <td>42</td> <td>050</td>	DAY	0	150	124	111			123	252	131	130	102	118	154		122	83	95	150	83	125	53				124	42	050
DAY         DAY <td>DAY</td> <td>-</td> <td>142</td> <td>114</td> <td>135</td> <td></td> <td>41</td> <td>117</td> <td></td> <td>122</td> <td>123</td> <td>98</td> <td>118</td> <td></td> <td>106</td> <td>114</td> <td>102</td> <td>103</td> <td></td> <td>102</td> <td>127</td> <td>49</td> <td>119</td> <td></td> <td></td> <td>108</td> <td>26</td> <td>770</td>	DAY	-	142	114	135		41	117		122	123	98	118		106	114	102	103		102	127	49	119			108	26	770
DAY         DAY <td>DAY</td> <td>4</td> <td>126</td> <td>105</td> <td>106</td> <td>95</td> <td>44</td> <td>122</td> <td>205</td> <td></td> <td>140</td> <td>97</td> <td></td> <td>139</td> <td>103</td> <td>145</td> <td>120</td> <td>102</td> <td></td> <td>120</td> <td>153</td> <td>48</td> <td>133</td> <td>20</td> <td></td> <td>11/</td> <td>37</td> <td>מטכ</td>	DAY	4	126	105	106	95	44	122	205		140	97		139	103	145	120	102		120	153	48	133	20		11/	37	מטכ
DAY         DAY <td>DAY</td> <td>7</td> <td>121</td> <td>114</td> <td></td> <td>102</td> <td>46</td> <td>83</td> <td>229</td> <td>129</td> <td>143</td> <td>101</td> <td>117</td> <td>150</td> <td>86</td> <td>134</td> <td>118</td> <td>83</td> <td></td> <td>118</td> <td>141</td> <td>29</td> <td>143</td> <td></td> <td></td> <td>118</td> <td>39</td> <td>220</td>	DAY	7	121	114		102	46	83	229	129	143	101	117	150	86	134	118	83		118	141	29	143			118	39	220
DAY         DAY <td>DAY</td> <td>14</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>126</td> <td></td> <td></td> <td></td> <td>66</td> <td>57</td> <td>153</td> <td>101</td> <td>125</td> <td>134</td> <td>92</td> <td></td> <td>134</td> <td>139</td> <td>51</td> <td>140</td> <td></td> <td>3</td> <td>113</td> <td>33</td> <td>152</td>	DAY	14						126				66	57	153	101	125	134	92		134	139	51	140		3	113	33	152
DAY         DAY <td>DAY</td> <td>21</td> <td>147</td> <td>111</td> <td>148</td> <td></td> <td>49</td> <td>147</td> <td>391</td> <td></td> <td>157</td> <td>104</td> <td>127</td> <td>181</td> <td>103</td> <td>122</td> <td>123</td> <td>85</td> <td></td> <td>123</td> <td>112</td> <td>105</td> <td>162</td> <td></td> <td>007</td> <td>139</td> <td>70</td> <td>301</td>	DAY	21	147	111	148		49	147	391		157	104	127	181	103	122	123	85		123	112	105	162		007	139	70	301
DAY         DAY <td>DAY</td> <td>28</td> <td>130</td> <td>80</td> <td>116</td> <td>122</td> <td>33</td> <td>146</td> <td></td> <td></td> <td>127</td> <td>66</td> <td>109</td> <td>160</td> <td>93</td> <td>113</td> <td>91</td> <td>92</td> <td>,</td> <td>91</td> <td>132</td> <td>62</td> <td>133</td> <td></td> <td>007</td> <td>201</td> <td>29</td> <td>160</td>	DAY	28	130	80	116	122	33	146			127	66	109	160	93	113	91	92	,	91	132	62	133		007	201	29	160
DAY DAY 54 72 54 72 119 119 118 110 86 86 86 86 102 102 102 106 82 26 26 140 110	DAY	35	132	99	88	107			314		94	98		155	102	125	102	101		102	151	20	134		707	171	25/	314
DAY 72 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	DAY	42	128		116			29	290		122	94		136			87	78		87	145		118		740	8 8	29	200
	DAY	54	119		73			118	98		138	102		122			117	92		117	140	54	97		406	000	67	14()
180 180 111 111 101 128	DAY	72			75			110														09			00	70	97	110
	DAY	180	111		65			128																	101	2 8	55	170

Figure 35: SD & Range Charts for LDL



Units: mg/dL

Table 10i Triglycerides

Blank = Not Obtained

		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
												-	
10	91	110	107	155	197	167	107	64	108	89	136	77	177
02		109	69	113	96	113	92	143	82				
03	65	20	22	55	56	79	38	75	41	64	25	53	99
04	114	125	20	146	26	165		42	46				
05	99		09	47	38	44	46	42					
90	59	106	100	29	101	70	100	70	22	83	46	20	66
20	45	47	41	187	218	199	190	35	124	22	179		
80	62	83	06	59	22								
60	55	80	94	91	105	84	81	73	48	92	66		
10	94	78	64	59	22	108	78	69	84	134	09		
11	145	118	96	123	187								
12	95	09		101	103	. 69	49	77	74	127			
13	193	88	87	104	69	98	128	92	69	61	183		
14	126	26	41	48	65	45	46	29	46				
15	102	134	108	73	102	65	44	176	190	118	97		
16	73	95	58	78	69	62	104	22	. 99	42	63		
17													
18	102	134	108	73	102	65	44	176	190	118	6		
19	147	152	114	140	152	122	139	83	81	136	104		
20	32	46	78	47	47	48	47	41	36	30	34	48	
21	62		95	132	73	55	47	84	99	54	149	09	
				and the second state of th									
Summary:	Triglycer	Triglycerides, mg/dl	늄										
Average	91	93	80	92	98	91	81	82	83	83	100	28	111
Std Dev	41	33	24	41	52	46	43	42	47	36	49	12	61
Max	193	152	114	187	218	199	190	176	190	136	183	77	177
i	32	46	41	47	38	44	38	35	36	30	34	48	99

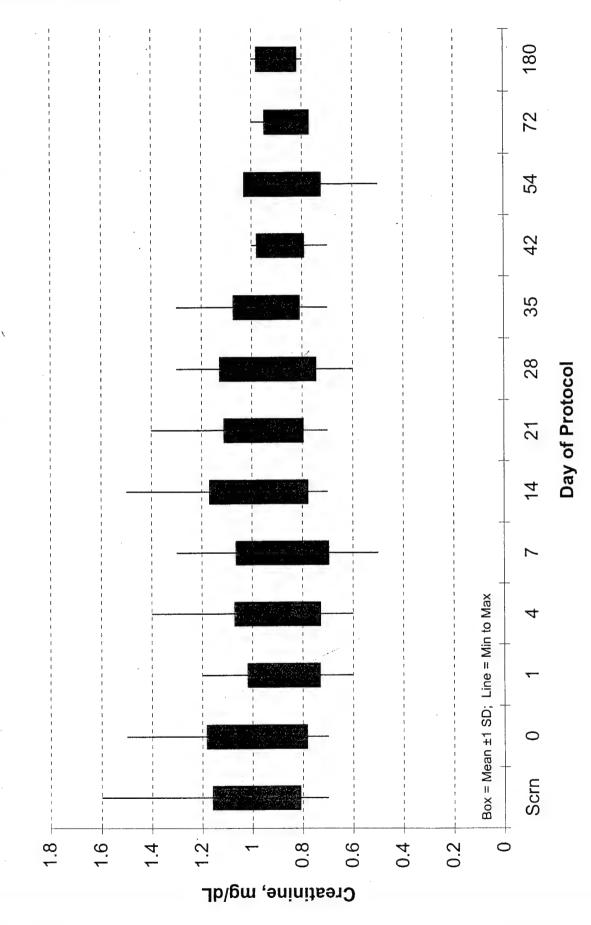
SD & Range Charts for Triglycerides, mg/dL Box = Mean ±1 SD; Line = Min to Max Figure 36: Scrn Triglycerides, mg/dL

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Day of Protocol

		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
10	1.00	06.0	0.70	0.80	06.0	1.10	06.0	0.80	0.90	0.90	0.80	0.80	1.00
02	1.60	1.40	1.20	1.40	1.30	1.50	1.40	1.30	1.30				
03	0.80	0.80	1.00	0.80	0.70	0.80		0.80	0.70	08.0	0.80	0.80	0.80
04	1.10	1.00	0.80	0.70	0.70	0.70		0.80	0.80				
05	1.00		1.00	06.0	1.10	1.30	1.10	1.20					1
90	06.0	06.0	0.80	0.80	0.80	0.70	06.0	0.80	06.0	0.80	0.80	0.80	06.0
07	0.80		09.0	09.0	0.50	0.80	0.80	09.0	0.80	1.00	0.70		
80	1.00	06.0	0.80	06.0	0.70								
60	1.00	06.0	0.80	06.0	06.0	06.0	0.90	1.00	06.0	0.90	0.90		
10	0.90	06.0	0.70	06.0	0.70	1.00	0.80	0.80	0.90	06.0	1.00		
1	0.70	0.70	0.80	0.70	0.80	0.80	0.70	09.0		0.70	,		
12	1.00	1.20		1.10	1.00	1.00	1.10	1.10	1.00	1.00	1.00		
13	0.90	1.00	06.0	0.80	06.0	1.00	1.00	06.0	0.90	1.00	1.00		
14	1.00	1.00	0.80	06.0	1.10	1.10	1.00	1.00	06.0				
15	1.00	06.0	1.00	1.00	1.10	1.00	06.0	1.10	1.00	0.90	1.00		0.90
16	1.00	1.00	0.90	06.0	0.90	1.10	06.0	1.00	06.0	0.90	1.00		
17		1.50	1.10										
18	1.00	1.00	1.00	1.10	06.0	06.0	1.00	1.00	1.10	1.00			
19	0.90	08.0	06.0	06.0	08.0	1.00	1.00	06.0	1.00		0.50		
20	1.00	06.0	06.0	06.0	08'0	06.0	0.80	06.0	1.00	0.80	0.90	0.90	
21	1.10		0.80	1.00	1.00	0.90	1.00	1.20	1.00	0.80	1.00	1.00	
Summary:	Creatinine, mg/dl	le, mg/dL											
Average	0.99	0.98	0.88	06.0	0.88	0.97	0.95	0.94	0.94	0.89	0.88	0.86	0.90
Std Dev	0.18	0.20	0.14	0.17	0.19	0.20	0.16	0.19	0.13	0.09	0.15	0.09	0.08
Max	1.60	1.50	1.20	1.40	1.30	1.50	1.40	1.30	1.30	1.00	1.00	1.00	1.00
Min	0.70	0.70	09.0	09.0	0.50	0.70	0.70	09.0	0.70	0.70	0.50	0.80	0.80

Figure 37: SD & Range Charts for Creatinine, mg/dL



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		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
	:		:										
01													16
02													
03													17
04													:
05													
90									14	6	11	10	12
20						21	21	19	9		14		!
80													
60						10	13	12	10		10		
10						24	20	24		21			
11					29	27	44	37		22	35		
12				28	26	28	28	28	25	23	37		
13	13	13	6	10	1	12	13	12	10		11		
14	43	84	79	9/	69	59	53	47	43				
15	21	19	17	17	15	11	15		20	16	18		
16		31	30	29	26	35	48	51	42	36	35		
17			09										
18			26			43	45		30	26	37		
19		7	11	11	12	10	6	11	13	10	12		
20		5	æ	9	6	10	10	12	6	8	6		
21			16	15	16	22	15	14	17	13	16	16	
Summary:	gGT, IU/L												
Average	26	27	28	24	24	24	26	24	20	18	20	13	15
Std Dev	16	30	25	23	19	15	16	15	13	60	12	90	03
Мах	43	84	79	92	69	59	53	51	43	36	37	16	17
Min	13	05	08	90	60	10	60	1	90	80	60	10	12

Dec. 17, 1998

Figure 38: SD & Range Charts for gGT, IU/L Day of Protocol Box = Mean Scrn get, IU/L

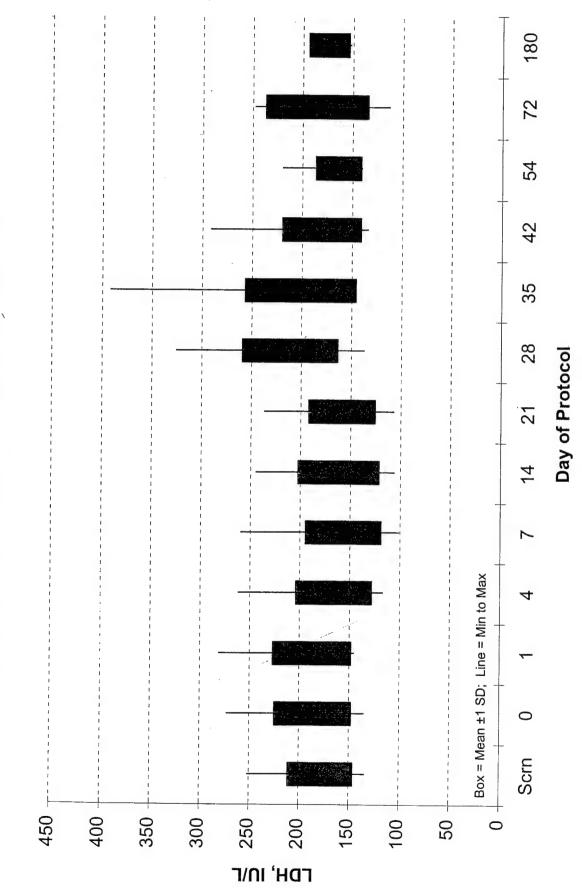
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		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
10	158	158	152	138	130	153	161	163	161	160	140	113	152
02	165	180	208	155	140	175	198	196	195				
03	185	176	222	219	170	231		194	165	292	161	220	191
04	183	176	200	177	157	146		268	194	218			
05	153		189	126	126	120	130	155					
90	134	163	155	152	128	126	133	195	147	170	151	177	161
07	243		252	186	260	181	237	262	392	226	220		
80	179	158	196	181	171								
60	138	135	192	185	191	156	196	261	211	160	149		
10	171	169	154	196	177	156	196	261	211	160	149		
7	191	178	168		152	132	170	204		147			
12	208	259		213	218	208	164	184	185	181	157		
13	156	168	186	117	170	106	120	137	169	176	148		
14	160	189	258	131	126	129	155	202	257				
15	188	166	145	127	166	245	128		175	147	145		192
16	153	157	152	130	119	127	146	194	197	165	149		
17		231	164										
18	230	173	159	147	101	123	107	233	170	134	178		
19	161	247	161	144	118	148	154	162	170		164		
20	252	273	281	262	184	207	171	326	222	195	188	248	
21	163		154	168	134	209	136	209	201	175	196	171	
Summary:	LDH, IU/L												
Average	1	186	187	166	157	162	159	211	201	180	164	186	174
Std Dev	33	39	40	38	38	41	34	48	26	40	. 23	52	21
Max	252	273	281	262	260	245	237	326	392	292	220	248	192
Min	134	135	145	117	101	106	107	137	147	134	140	113	152

Figure 39: SD & Range Charts for LDH, IU/L



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A. C.		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
palanc	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
10	2.0	2.0	2.1	2.2		1.9	2.1	2.0	2.0	2.2	2.1	2.1	2.1
02	2.3	1.9		1.6		1.8	2.0	1.8	2.1				
03	2.0	1.9	2.0	1.7		1.9		2.2	1.9	2.1	2.0	2.0	2.4
04	2.3		2.1	1.9	1.9	1.9			2.0	2.2			
05	1.9		1.9		1.9	1.9	1.9						
90	1.9	1.9	2.0	2.0	2.1	1.9	2.0	2.0	1.9	2.1	2.1	2.1	2.0
07	2.2	2.1	2.3		2.1	2.2	2.3	2.3	2.2		2.0		
80	2.1	2.0	2.2		2.2								
60	2.1	2.0	2.1		2.1	2.1	2.2		2.2	2.3	1.9		
10	1.9	1.8	1.8	1.8	1.8	2.2	1.7	1.8	2.0	2.0		1.8	*,
11	2.4	2.0	2.0	2.3	2.2	2.2	2.1		2.0				
12	2.2	2.2		2.0	2.1	2.1	2.1	2.0	2.1	2.0	1.9		
13	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.2	2.0		
14	2.4	2.2	2.2	2.3	2.2	2.2	2.2	2.3	2.3				
15		2.0	2.1	2.1	1.9	2.1	1.8	2.1	2.1	1.8	1.9		
16	2.2	2.1	2.1	2.0	1.9	2.0	2.0	2.2	2.2	1.9	2.0		
17		2.3	2.2					,					
18		1.9	2.0	2.0	1.9	1.9	2.1	2.1	2.1	1.9	2.1		
19		2.3	2.2	2.2	2.1	2.2	2.2	2.3	2.3	2.1	2.2		
20	1.8	2.1	2.2	2.1	1.9	1.9	1.7	2.1		1.8	1.8	2.1	
21	2.0		2.0	2.0	2.0	2.0	2.0	1.9	2.1	2.0	2.0	2.2	
Summary:	Magnesium, mg/dL	Im, mg/dL							-				
Average	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.1	2.2
Std Dev	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.2
Max	2.4	2.3	2.3	2.3	2.2	2.2	2.3	2.3	2.3	2.3	2.2	2.2	2.4
Min	1.8	1.8	1.8	1.6	1.8	1.8	1.7	1.8	1.9	1.8	1.8	1.8	2.0

1.8 1.2 2.2 2.6 2

Magnesium, mg/dL

Figure 40: SD & Range Charts for Magnesium, mg/dL

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Scrn

180

72

54

42

35

28

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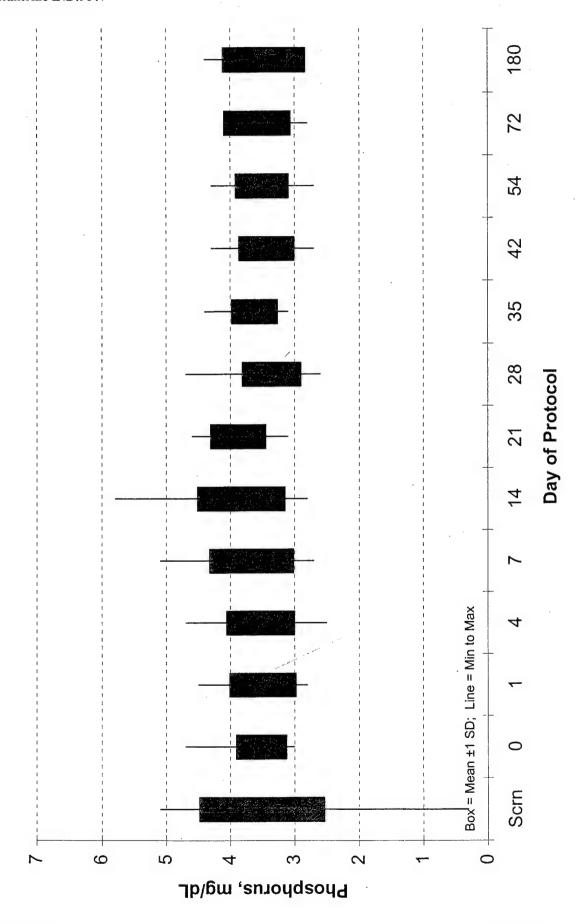
Box = Mean ±1 SD; Line = Min to Max

Units: mg/dL

Table 10n Phosphorus

		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
01	4.0	3.3	2.9	4.2	4.7	3.7	3.6	3.4	4.0	4.3	3.8	4.0	3.3
02	4.7	3.9	4.0	3.9	4.1	5.8	4.6	4.7	4.0				
03	2.6	3.3	2.9	3.0	3.1	3.2	3.5	3.6	3.4	3.4	2.7	2.8	2.9
04	5.1	4.7	3.2	3.5	3.4	4.1		3.0	3.8				
05	3.1		2.8	2.5	3.8	3.4	4.1	2.9					
90	3.9	3.9	3.2	3.5	3.6	3.7	3.9	3.5	3.6	3.3	3.1	3.6	3.3
07	3.0		3.1	3.1	3.3	3.7	4.4	3.5	3.1				
08	3.5	3.4	4.3	4.3	5.1	4.4							
60	4.1	3.5	4.3	3.6	4.3	3.4	3.7	3.1	3.4	3.2	3.8		
10	3.3	3.3	3.5	3.3	3.3	3.0	3.1	3.2	3.3	3.2	3.6		
11	2.9	3.0	3.1	2.9	2.7	2.8	3.5	2.6		2.7			
12	3.0	3.2		3.0	3.7	3.4	3.6	3.9	3.7	3.3	3.5		٠
13	3.7	3.4	3.9	3.7	3.4	3.9	4.4	3.7	3.3	4.0	4.3		
14	4.5	4.0	3.5	3.6	3.5	4.1		3.4	3.6				
15	3.6	3.4	4.5	4.7	4.7	4.7	3.7	3.4	3.8	3.8	3.1		4.4
16	0.3	3.3	3.1	3.2	3.0	3.0	3.2	2.9	3.2	3.2	3.5		
17		3.4	4.1										
18	3.6	3.7	3.0	3.4	2.8	3.8	4.1	3.0	4.1	3.2	3.8		
19	3.8	3.4	3.5	3.8	3.2	4.0	4.2	3.6	3.7		3.1		
20	3.6	3.2	3.4	3.3	3.5	4.1	4.0	3.0	3.2	3.2	3.6	3.4	
21	3.9		3.6	4.1	4.2	4.4	4.3	3.4	4.4	3.9	3.7	4.1	
Summary:	Phospho	Phosphorus, mg/dl											
Average	3.5	3.5		3.5	3.7	3.8	3.9	3.4	3.6	3.4	3.5	3.6	3.5
Std Dev	1.0	0.4	0.5	0.5	0.7	0.7	0.4	0.5	0.4	0.4	0.4	0.5	9.0
Max	5.1	4.7	4.5	4.7	5.1	5.8	4.6	4.7	4.4	4.3	4.3	4.1	4.4
2	0.3	3.0	2.8	2.5	2.7	2.8	3.1	2.6	3.1	2.7	27	28	29

Figure 41: SD & Range Charts for Phosphorus, mg/dL



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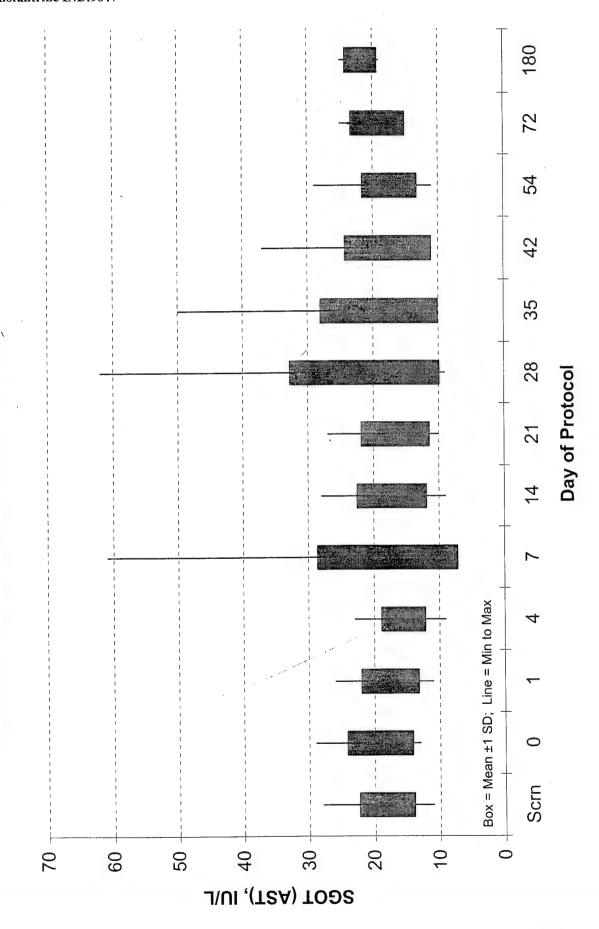
Subject	Scrn	DAY											
		0	-	4	7	14	21	28	35	42	54	72	180
10	8.50	8.80	7.90	7.60	7.40	7.90	8.50	7.30	7.10	8.00	7.70	7.90	8.10
02	7.30	7.40	7.00	6.80	6.90	7.60	7.20	7.30	6.90				
03	7.20	09.9	7.60	6.10	9.00	6.40		7.40	6.10	6.50	09.9	6.70	7.10
04	7.30	09.9	7.20	06.9	6.90	09.9		7.60	7.20	7.60			
02	6.70		6.40	6.10	6.10	6.20	6.50	7.60					
90	7.70	7.40	7.20	06.9	7.00	09.9	7.60	7.70	8.00	7.40	7.40	7.30	7.80
20	7.80		06.9	6.70	7.70	7.30	7.50	7.60	7.60	7.00	7.10		
08	8.20	7.50	7.40	7.10	7.50								
60	7.10	6.50	6.40	6.50	6.80	09.9	7.00	6.70	5.90	6.70	6.80		
10	7.50	7.20	7.30	7.00	7.00	7.40	09.9	7.40	7.20	6.80	7.60		
11	7.90	7.80	7.50		8.20	6.70	7.40	7.20		06.9			
12	8.50	7.50		7.40	7.20	7.60	7.50	7.50	7.70	7.20	7.20		
13	7.50	7.50	6.70	6.30	6.70	09.9	7.10	06.9	7.00	7.90	7.00		
14	7.20			7.20	7.50	7.10	7.10	7.10	6.90				
15	8.20	7.20	6.50	6.90	6.70	6.50	6.80		7.40	5.80	6.30		
16	7.10	7.00	6.60	06.9	6.50	6.50	6.70	7.00	6.90	6.20	7.00		
17		8.10	7.10										
18	7.20	7.00	6.80	7.00	6.70	09.9	6.70	7.20	7.00	6.60	7.90		
19	6.80	6.70	6.20	6.80	6.30	6.50	6.30	09.9	6.80		6.40		
20	7.10	7.00	06.9	7.50	6.80	6.70	6.70	8.00	7.00	6.30	6.50	7.50	
21	7.20		6.80	7.00	7.00	6.90	6.90	7.40	7.10	6.70	06.9	7.10	
Summary	Summary: Protein. o/dl	J/dL											
Average	7.50	7.28	6.97	6.88	6.95	6.86	7.06	7.31	7.05	6.91	7.03	7.30	7.67
Std Dev	0.53	0.59	0.45	0.42	0.54	0.48	0.53	0.36	0.51	0.62	0.49	0.45	0.51
Max	8.50	8.80	7.90	7.60	8.20	7.90	8.50	8.00	8.00	8.00	7.90	7.90	8.10
Min	6.70	6.50	6.20	6.10	6.00	6.20	6.30	09.9	5.90	5.80	6.30	6.70	7.10

180 72 54 Figure 42: SD & Range Charts for Protein, g/dL 42 35 28 Day of Protocol 21 4 Box = Mean ±1 SD; Line = Min to Max 0 Scrn 6 8.5 7.5 6.5 5.5 2  $\infty$ 9 Protein, g/dL

10p	(AST)
Table	SGOT (

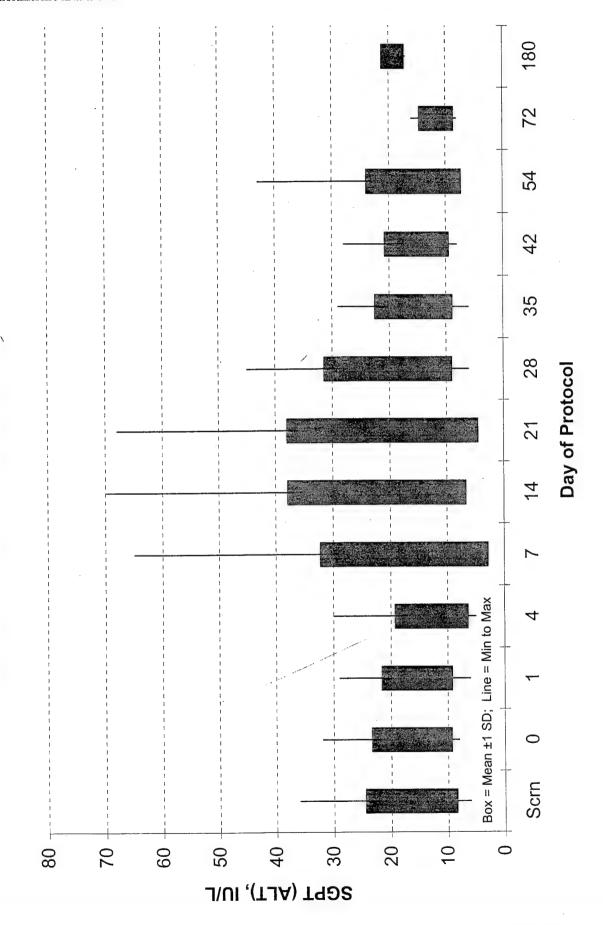
		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
									\				
01	18	19	19	15	17	17	19	15	13	14	14	17	22
02	21	29	26	21	18	22	20	17	18				
03	15	18	24	19	14	22		22	16	37	16	25	21
90	18	17	17	15	18	17		17	18	19			
05	11		14	13	13	6	10	14	-				
90	16	16	15	14	19	16	22	23	19	16	18	15	19
07	20		25	14	61	24	26	28	30	23	21		
90	14	13	11	12	13								
60	20	16	16	17	15	16	13	62	20	12	16		
10	16	17	14	17	15	18	14	18	16	15	18		
17	17	18	15		14	10	16	16		7			
12	25	27		18	20	21	20	18	17	19	15		
13	16	16	17	14	14	11	13	18	17	20	16		
14	18	17	14	13	13	13	12	12	14				
15	18	15	14	13	13	16	1		16	13	11		25
16	26	22	20	23	26	28	27	30	22	23	29		
17		26	23										
18	28	28	22	13	16	24	19	19	13	18	17		
19	15	13	12	6	∞	10	. 10	6	11		15		
20	14	18	16	19	16	14	17	26	16	12	17	17	
21	17		18	16	15	19	14	20	18	13	21	22	
Summary:	SGOT (AST), IU/L	ST), IU/L											
Average	18	19	18	16	18	17	17	21	19	18	17	19	22
Std Dev	04	05	04	03	11	02	02	7	60	20	04	04	03
lax	28	29	26	23	61	28	27	62	20	37	29	25	25
Min	1-	13	11	60	90	60	10	60	7	1	11	15	19

Figure 43: SD & Range Charts for SGOT (AST), IU/L



	Ha	lofa	int	rin	e Ir	D:	984	7												- 1				- 1	· · i				
DAY	180		18		17			21									21									19	02	21	17
DAY	72		7		16			80														10	13			12	03	16	80
DAY	54		တ		15			15	14		19	15		13	10		13	43		14	12	6	18			16	08	43	60
DAY	42		10		24	14		10	20		18	14	8	13	10		16	28		19		10	13			15	90	28	80
DAY	35		6	14	15	13		18	29		28	12	15	6	9	12	23	28		16	12	13	11			16	07	29	90
DAY	28		15	21	13	22	8	29	40		45	17	6	17	9	16		36		29	14	10	17			20	1	45	90
DAY	21		20	26			9	25	55		6	15	11	19	9	14	13	68		31	7	15	17			21	17	68	90
DAY	14		19	32	21	34	8	20	45		7	17	6	20	6	13	. 12	70		39	16	12	16			22	16	70	90
DAY	7		17	27	11	30	6	18	65	9	11	11	9	14	4	15	11	46		16	-	11	12			18	15	65	04
DAY	4		1	27	13	20	6	11	12	9	14	7		13	5	13	8	30		11	10	10	14			13	90	30	05
DAY	1		16	29	16	21	10	14	16	9	15	19	=		7	17	11	25	27	14	11	10	13			15	90	29	90
DAY	0		17	32	13	20		15		8	17	11	1	13	8	20	13	27	30	16	13	10			T), IU/L	16	07	32	08
	Scrn		15	24	-	16	9	16	13	6	27	6	15	16	9	32	16	36		22	13	11	16		SGPT (ALT), IU/L	16	80	36	90
	Subject		10	02	03	04	05	90	07	80	60	10	11	12	13	14	15	16	17	18	19	20	21		Summary:	Average	Std Dev	Max	Min

Figure 44: SD & Range Charts for SGPT (ALT), IU/L



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G	Ξ
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		NAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
10	5.6	9.9	6.9	5.8	6.1	7.1	7.4	6.0	6.9	6.3	6.1	5.8	6.9
02	6.3	5.7	5.7	5.5	0.9	5.8	6.3	5.0	4.2				
03	3.2	3.8	5.5	4.4	3.7	3.9		4.8	3.8	4.5	3.7	4.3	4.7
04	5.2	5.1	5.1	5.5	5.2	5.0		5.8	5.8	5.2			
05	5.8		6.4	5.6	5.7	5.6	5.7	5.4					
90	4.8	4.5	4.7	4.0	4.8	4.4	4.6	4.5	4.3	5.2	5.3	4.4	2.0
20	6.3		4.9	4.8	4.8	2.7	5.6	7.3	5.1	0.9	5.8		
08	5.5	5.4	5.4	5.7	5.4								
60	6.1	4.5	4.3	4.8	5.0	5.6	5.4	4.3	5.7	4.8	4.6		
10	3.9	3.8	3.7	4.7	3.9	5.1	4.5	4.3	4.5	4.6	4.1		
11	4.1	6.5	4.5	3.9	3.4	3.8	4.0	4.6		3.9			
12	4.4	6.0		5.2	5.0	5.2	5.2	5.6	5.4	4.8	5.2		
13	4.6	4.8	4.8	4.8	4.1	4.7	5.0	4.9	4.2	4.7	4.8		
14	5.3	6.1	6.0	6.9	9.9	7.1	9.9	2.9	5.7				i
15	9.9	6.0	6.4	7.0	9.9	9.9	5.9	5.5	6.1	6.3	5.8		6.4
16	4.8	5.1	4.9	5.5	5.3	5.2	5.6	5.1	4.9	5.1	4.9		
17		8.1	7.3										
18	5.4	6.1	5.6	5.1	5.5	5.8	6.1	6.7	5.8	4.7	4.8		
19	9.9	6.5	6.4	6.9	6.4	6.8	6.5	5.9	6.7		9.9		
20	5.6	5.7	5.6	5.7	5.4	6.1	9.9	6.2	2.2	5.4	5.7	5.6	
21	5.7		5.1	5.9	5.3	5.8	5.9	5.2	5.8	5.5	5.4	5.3	
Summary:	Uric Acid,	d, mg/aL	n n	5.4	5.2	5.5	5.7	5.5	5.3	5.1	5.2	5.1	5.8
Average of Dov	5.0	2.0	0.0	60	60	1.0	6.0	6.0	0.9	0.7	0.8	0.7	1.1
Max	6.0	8.1	7.3	7.0	9.9	7.1	7.4	7.3	6.9	6.3	9.9	5.8	6.9
THE STATE OF THE S	3.2	3 8	3.7	3.9	3.4	3.8	4.0	4.3	3.8	3.9	3.7	4.3	4.7

Figure 45: SD & Range Charts for Uric Acid, mg/dL

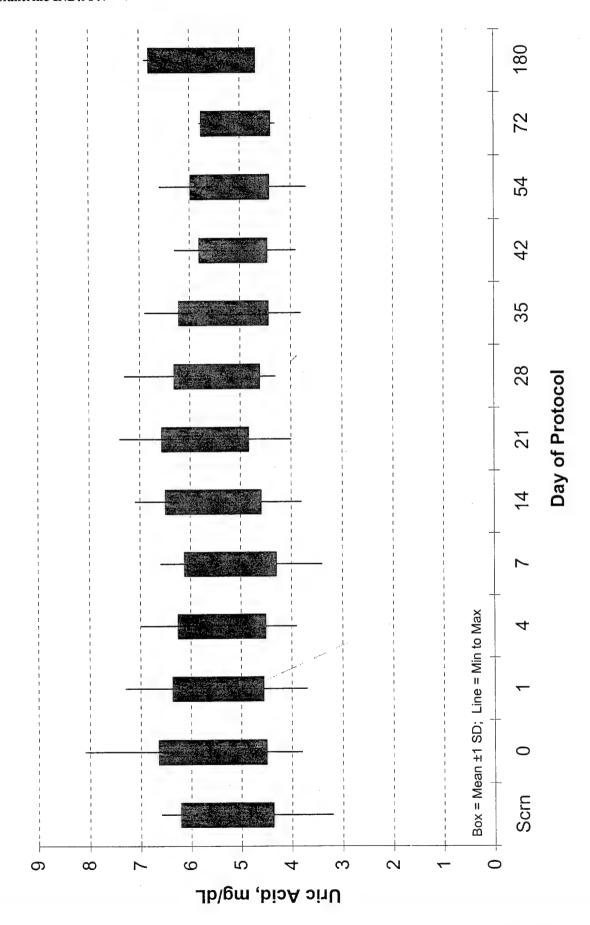


Table 11a Urinalysis: Casts

Subject Scrn	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
		-	4	7	14	21	28	35	42	54	72	180
90												
							/					

Table 11b Urinalysis: Occult Blood

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		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
10	•	ı	,	,	1		1	1		1	•	3	-
02	1	,	•	1	,	,	•	•					
03	4+	-	<b>+</b>	1	\$	1	4+	+	1+	1	ı	4+	4+
04	1	1	•	1	1	1	ı	•					•
05	1	3		1	1	1		t	•				
90		1	i		•	1	ı	-		1	1	1	•
70	1	1		•	1	1			•	1	1		
80	1	1	ı	•	1								
60		,	•	1	•	1	1	1	1	•			
10		•	1+	1	1	1	•	,	4+	•	1		
=		'	1	1	ı	1	•	•		•			
12	•	•	1	1	1	1	1	1	+	1	•		
13	1	1		1	i	1	•	1	•	•	ŧ		
14	•		1	,	•		+	+	+				
15	•		,J.	-	1	1	•	1	ı	1	•		1
16	B		1	t			ı		1	•			
17	ı	•	1	1	•	•							
18	1	1	-	1	ı	ı	1	1	•	•	t		
19	•	1	•	1	1	1	-	1	•	1	•		
20	1	2	•	4	1	1	1	-	•	t	ı	1	
21	1	1	1	1	1	1	1	1	ı	1	ı	-	

		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
													;
-	0	0	0	0	0	0	0	0	18	-	1	0	က
2	0	0	0	0	0	0	0	.0	18				:
က	50	0	2	0	0	0	13	တ	-	3	9	1	1
4	0	0	0	2		0	0	သ	0				
5	0	16	0	0	0	0	-	0	2				
9	-	15	0	0	0	0	0	-	0	0	0	0	-
7	-	0	0	0	0	0		-	0	0	0		
80	0	0	0	0	0								
6	0	0	0	0	0	0	0	0	1	0			
10	0	0	0	0	0	0	0	0	-	0	0		
11	2	7	0	0	0	0	0	,	0		0		
12	0	0	0	0	0	0	0	_	1	0	0		
13	0	0	0	0	0	0	0	0	0	-	0		
14	2	0	0	0	0	0	0	0					
15	0	0	0	0	0	2	2	0	0	0			0
16	0	0	0	0	0	0	-	Ó	0	0	0		
17	0	0	0										
18	0	က	0	0	0	0	0	0	0	0	0		
19	0	0	0	0	0	0	0	0	0	0	0		
20	0	0	0	0	0	0	0		2	0	0	0	
21	0	0	0	0		0	0	0	0	0	0	က	
Summary:	Urine RBC	U											
Average	2.7	2.0	0.1	0.1	0.1	0.1	0.9	1.0	2.4	0.4	0.5	0.8	1.3
Std Dev	10.9	4.8	0.4	0.4	0.2	0.5	3.1	2.3	2.7	0.8	1.6	1.3	1.3
Max	20	16	2	2	-	2	13	6	18	3	9	က	က
Min	0	0	0	0	0	0	0	0	0	0	0	0	0

Figure 46: SD & Range Charts for Urine RBC

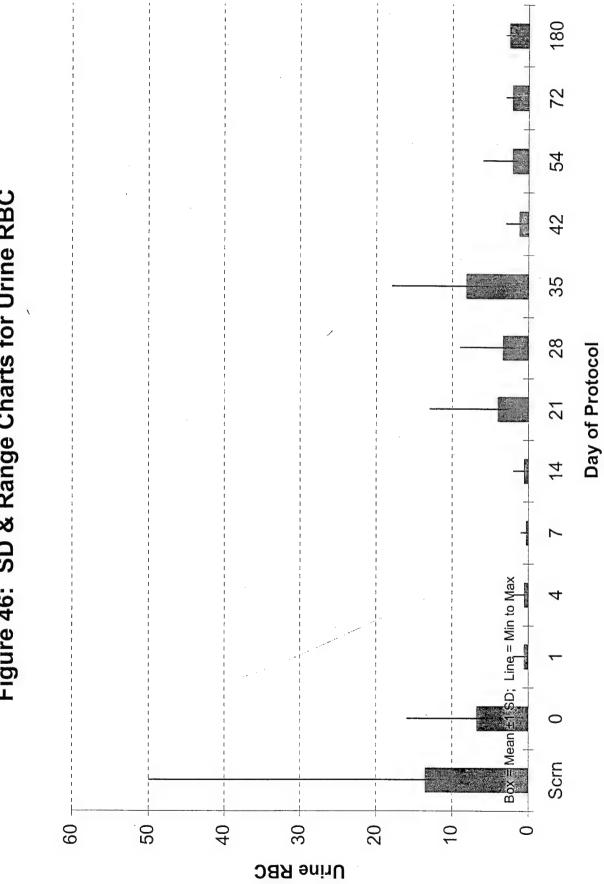


Table 11d Urinalysis: WBC

Blank= Not Obtained

Subject	Scrn	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
		0	-	4	7	14	21	28	35	42	54	72	180
01	0	0	0	0	0	0	0	0	2	0	0	0	2
02	-	0	0	0	0	0	0	2	0				
03	0	0	40	0	_	0	0	1	15	3	2	0	0
04	-	0	0	0	-	0	0	3	0	0			
05	0	0	0	0	0	0	-	0	-				
90	-	2	-	0	0	0	0	1	0	0	0	0	0
07	-	0	0	0	0	0	0	0		0	0	0	
80	0	0	0	က	0								
60	0	0	0	-	0	0	0	0	0	0	0		
10	0	0	4	5	0	0	0	0	2	0	0		
11	4	19	0	-	2	0	0	-	0	0	0		
12	0	က	0	0	0	0	0	1	-	0			
13	0	0	0	0	0	0	0	0	0	-	0		
14	0	0	0	0	0	0	0	0					
15	0	0	0	0	0	0	2	0	0	0	0		
16	0	0	0	0	0	0	2	0	0	0			
17	0	_	0	0	0	0	0	0	0	0			
18	0	0	Ó	0	0	0	0	Ô	0	0	0		
19	0	0	0	0	0	_	0	2	0	0	0		
20	0	æ	0	0	0	0	O	0	-	0	7		
21	0	0	0	0	0	0	0	0	-	0	0	2	4
Summary:	Urine WBC	ပ္က											
Average	0.4	1.6	2.1	0.5	0.2	0.1	0.3	1.1	1.3	0.2	0.3	0.4	0.7
Std Dev	6.0	4.4	8.7	1.2	0.5	0.2	9.0	2.5	3.5	0.8	0.8	0.9	1.2
ax	4	19	40	5	2	~	2	11	15	က	2	2	2
Min	0	0	0	0	0	0	0	0	0	0	0	0	0

Figure 47: SD & Range Charts for Urine WBC

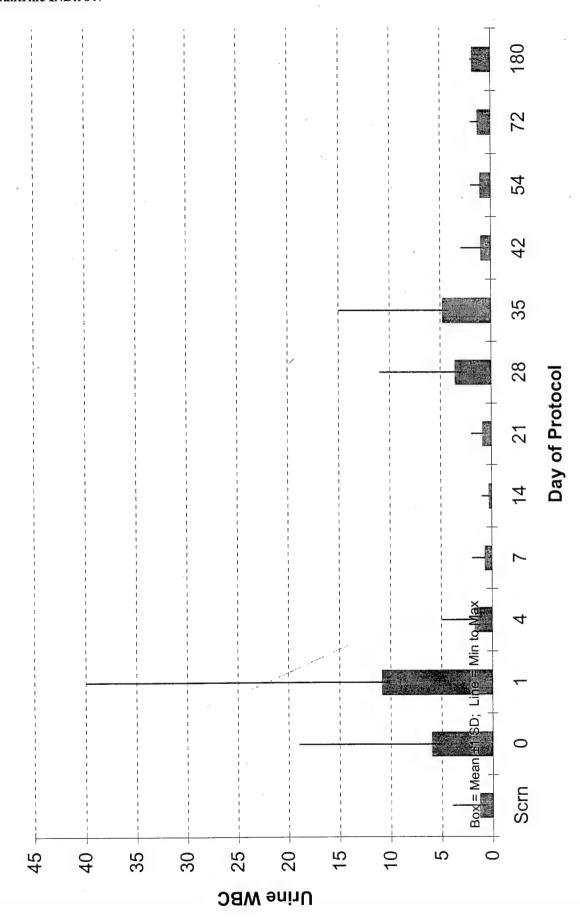


Table 11e Urinalysis: Specific Gravity

t Obtained	
Blank = No	

		DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY
Subject	Scrn	0	-	4	7	14	21	28	35	42	54	72	180
10	1.026	1.023	1.031	1.030	1.026	1.027		1.029	1.029	1.022	1.032	1.031	1.018
02	1.026	1.015	1.018	1.022	1.025	1.021	1.019	1.025	1.015				
03	1.009	1.019	1.016	1.007	1.019	1.005	1.005	1.019	1.022	1.022	1.019	1.019	1.021
04	1.027	1.016	1.018	1.026	1.026	1.014	1.027	1.030	1.028				
05	1.015	1.008	1.016	1.025	1.019	1.026	1.023	1.009	1.013				
90	1.028	1.012	1.026	1.026	1.022	1.023	1.025	1.027	1.027	1.021	1.025	1.026	1.020
20	1.034	1.022	1.023	1.008	1.009	1.011		1.027	1.029	1.028	1.030	1	
08	1.033	1.021	1.015	1.029	1.029								
60	1.029	1.007	1.026	1.029	1.020	1.019	1.020	1.016	1.028	1.022			
10	1.026	1.015	1.008	1.018	1.010	1.020	1.015	1.018	1.030	1.007	1.007		
11	1.030	1.026	1.019	1.026	1.019	1.025	1.019	1.027		1.027			
12	1.005	1.030	1.031	1.016	1.031	1.021	1.012	1.030	1.030	1.013	1.022		
13	1.025	1.025	1.016	1.019	1.022	1.016	1.018	1.028	1.026	1.026	1.026		
14	1.029	1.014	1.020	1.004	1.004	1.019	1.022	1.025					
15	1.016	1.005	1.016	1.016	1.022	1.018	1.019	1.007	1.017	1.016	1.020		1.033
16	1.009	1.015	1.026	1.029	1.025	1.025	1.027	1.029	1.028	1.027			
17	1.030	1.034											A Company of the Comp
18	1.018	1.017	1.021	1.016	1.010	1.021	1.020	1.010	1.025	1.022	1.021		
19	1.026	1.031	1.028	1.019	1.015	1.013	1.016	1.019	1.021	1.014	1.018		
20	1.027	1.028	1.025	1.022	1.020	1.017	1.016		1.032	1.017	1.028	1.013	
21	1.021	1.025	1.016	1.025		1.019	1.021	1.009	1.026	1.026	.1.028	1.029	
Summary:	Urine: Sp	Urine: Specific Gravity	vity										
Average	1.023	1.023	1.031	1.030	1.026	1.027	1.019	1.029	1.029	1.022	1.032	1.031	1.018
Std Dev	0.008	0.008	900.0	0.008	0.007	900.0	0.005	0.008	900.0	0.006	0.007	0.007	0.007
Max	1.027	1.034	1.031	1.030	1.031	1.027	1.027	1.030	1.032	1.028	1.032	1.031	1.033
Min	1.005	1.005	1.008	1.004	1.004	1.005	1.005	1.007	1.013	1.007	1.007	1.013	1.018

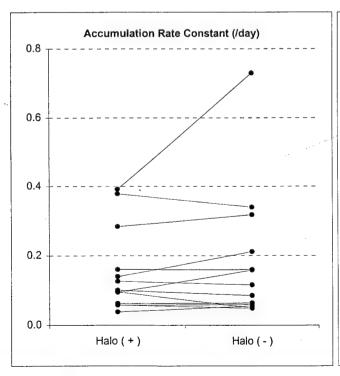
180 72 SD & Range Charts for Urine: Specific Gravity 54 42 35 28 Day of Protocol 21 4 Box = Mean ±1 SD; Line = Min to Max Figure 48: 0 Scrn 1.045 1.025 1.015 1.035 1.02 1.04 1.03 1.01 Urine: Specific Gravity

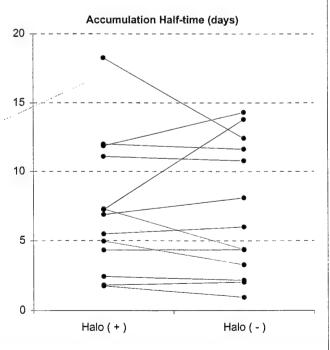
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Figure 49a: Pharmacokinetics of Halofantrine Accumulation

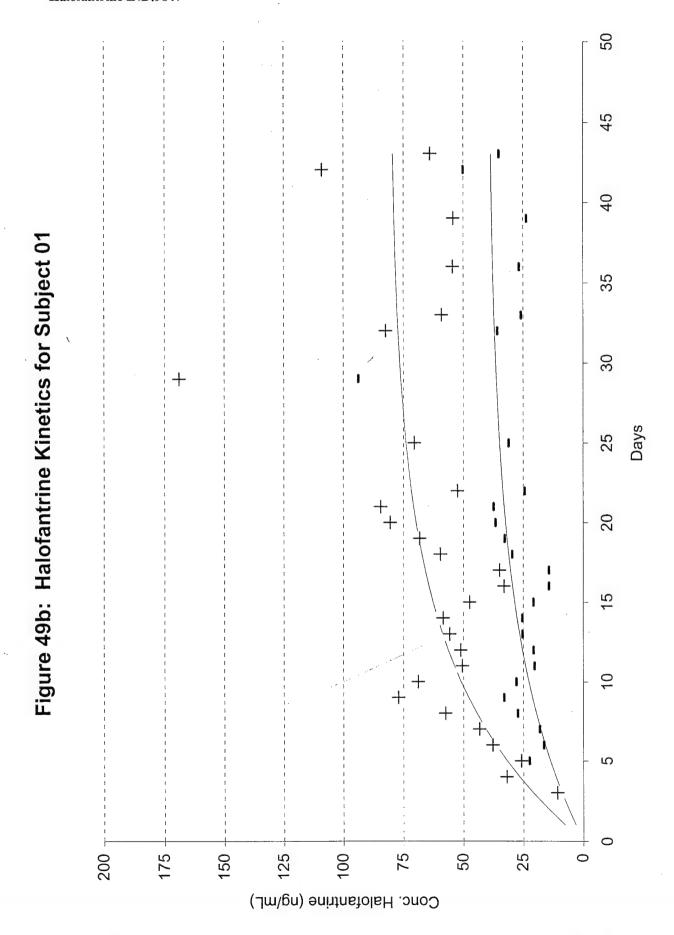
	Accumulation Rat	e Constant (/day)	Accumulation H	alf-time (days)
Subject	Halo ( + )	Halo ( - )	Halo ( + )	Halo ( - )
		•	•	
1	0.101	0.086	6.89	8.10
2	0.058	0.048	11.88	14.30
4	0.392	0.730	1.77	0.95
5	0.160	0.159	4.33	4.35
7	0.139	0.211	4.97	3.28
8	0.058	0.060	12.00	11.63
9	0.126	0.116	5.49	5.99
10	0.038	0.056	18.26	12.43
. 11	0.262		2.65	
15	0.096	0.050	7.23	13.80
16、	0.062	0.064	11.10	10.79
. 18	0.284	0.318	2.44	2.18
19	0.379	0.340	1.83	2.04
20	0.095	0.158	7.29	4.38
Mean:	0.161	0.184	7.01	7.25
SD:	0.120	0.191	4.80	4.82
p-value:	0.2	27	0.9	0

Based on exponential curve fit during administration of Halofantrine p-values from paired Student t-test



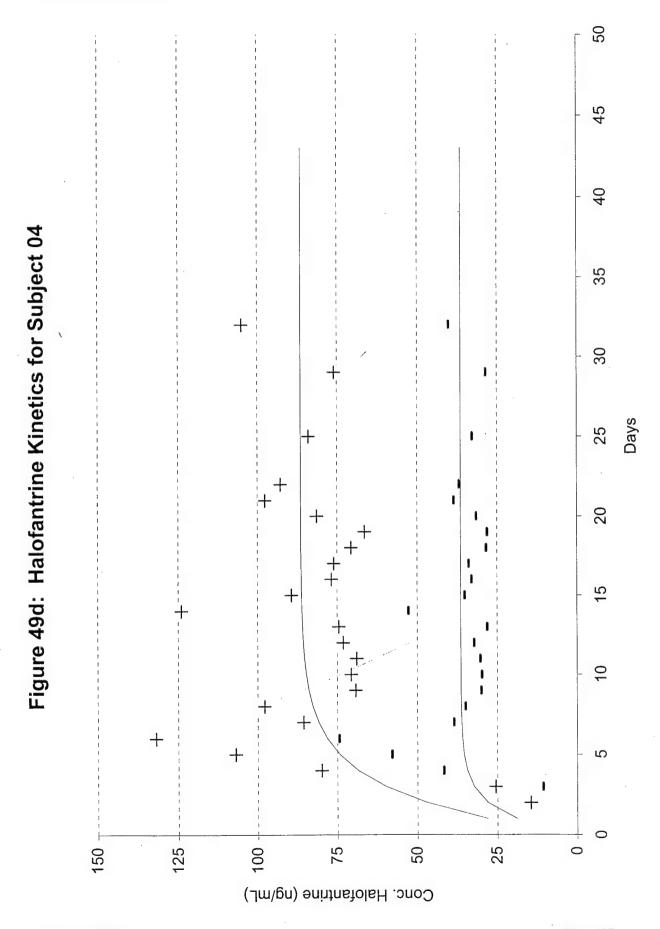


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Figure 49c: Halofantrine Kinetics for Subject 02 + H Days Conc. Halofantrine (ng/mL)



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Figure 49e: Halofantrine Kinetics for Subject 05 Days ++ Conc. Halofantrine (ng/mL)

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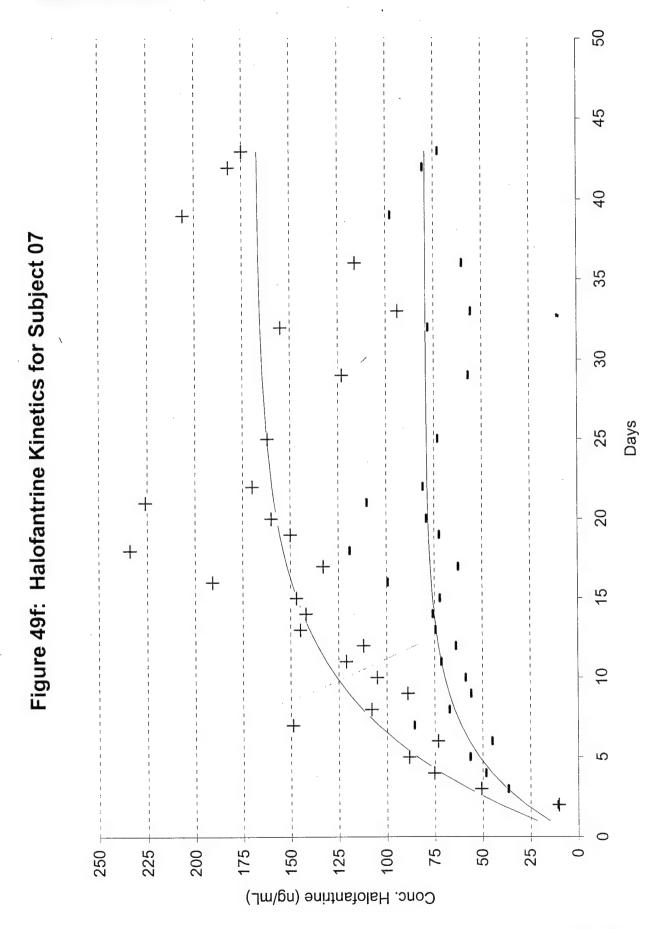
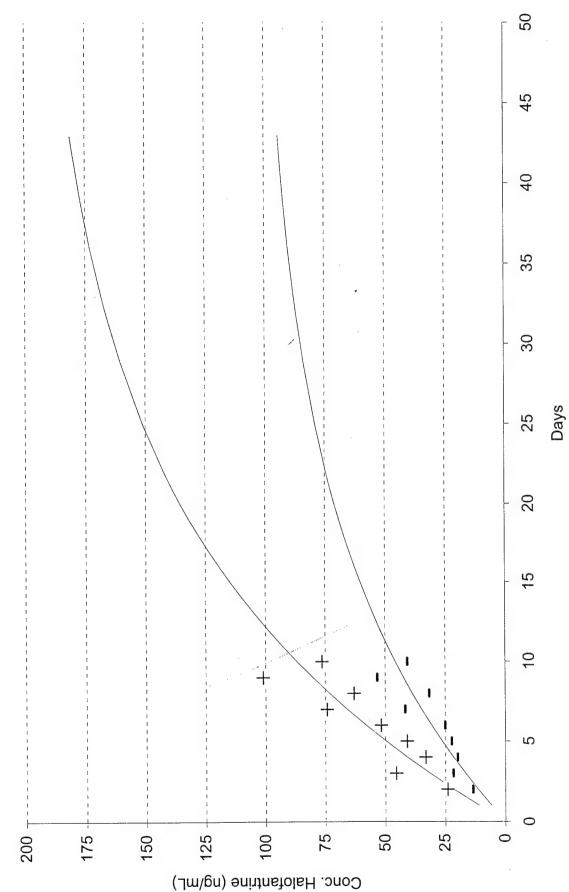
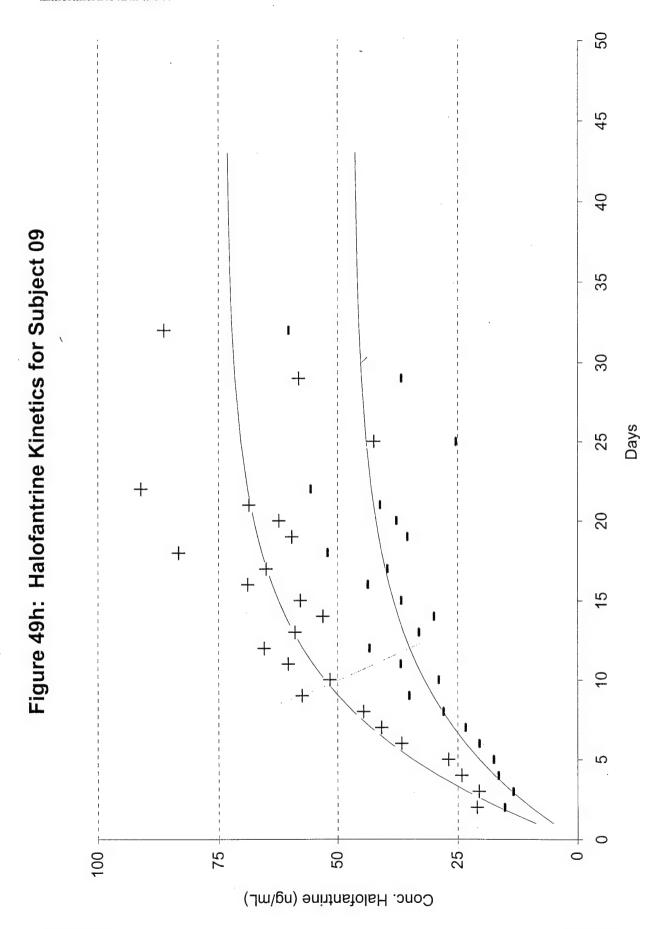
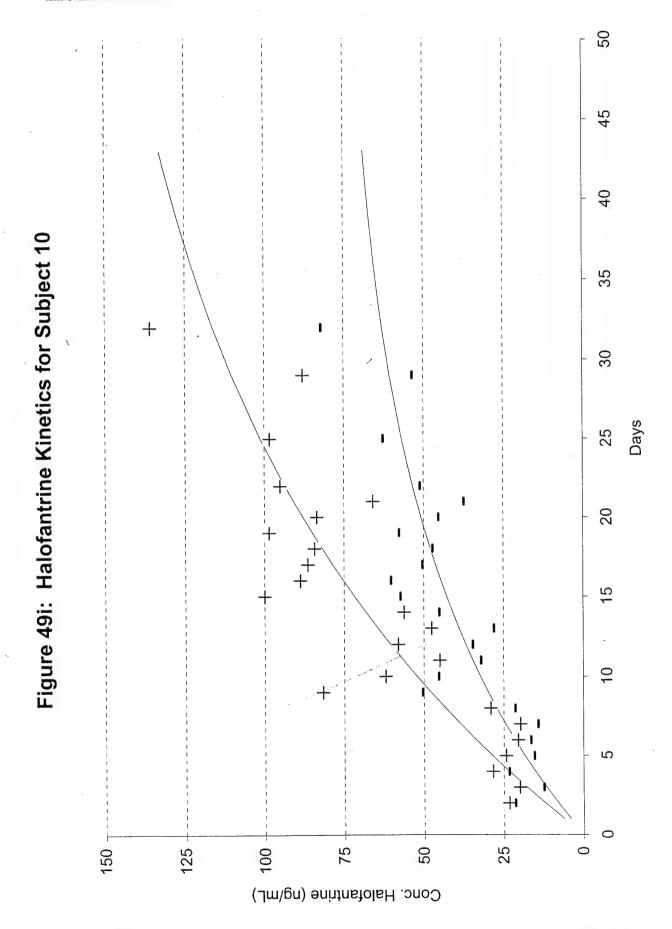


Figure 49g: Halofantrine Kinetics for Subject 08



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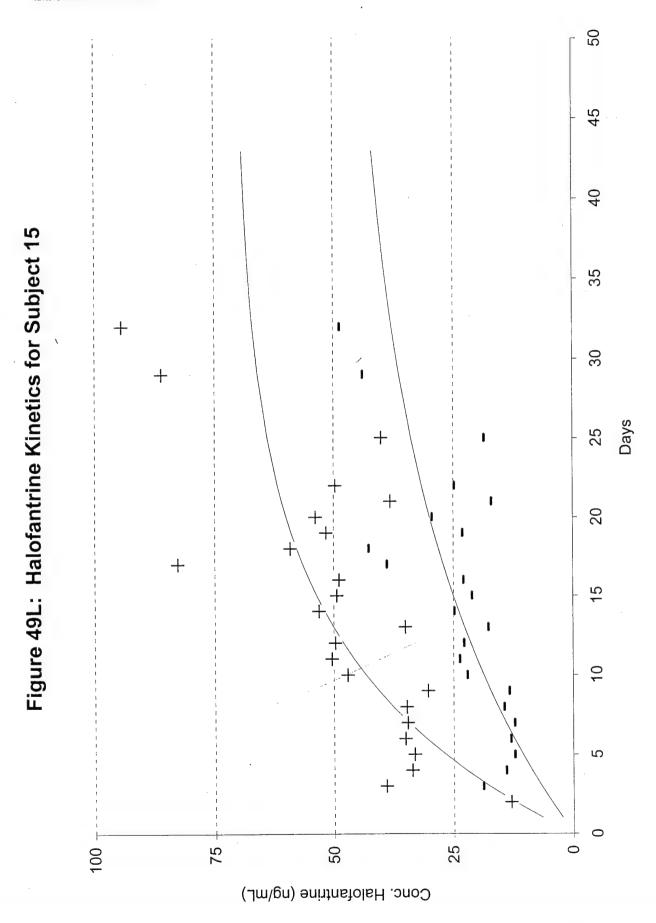
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Figure 49j: Halofantrine Kinetics for Subject 11 Days + + Conc. Halofantrine (ng/mL)

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Figure 49k: Halofantrine Kinetics for Subject 14 + Days Conc. Halofantrine (ng/mL)

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Figure 49m: Halofantrine Kinetics for Subject 16 + Days Conc. Halofantrine (ng/mL)

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Figure 49n: Halofantrine Kinetics for Subject 18 + + Days + + Ó Conc. Halofantrine (ng/mL)

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+ Figure 49o: Halofantrine Kinetics for Subject 19 Days + + + Conc. Halofantrine (ng/mL)

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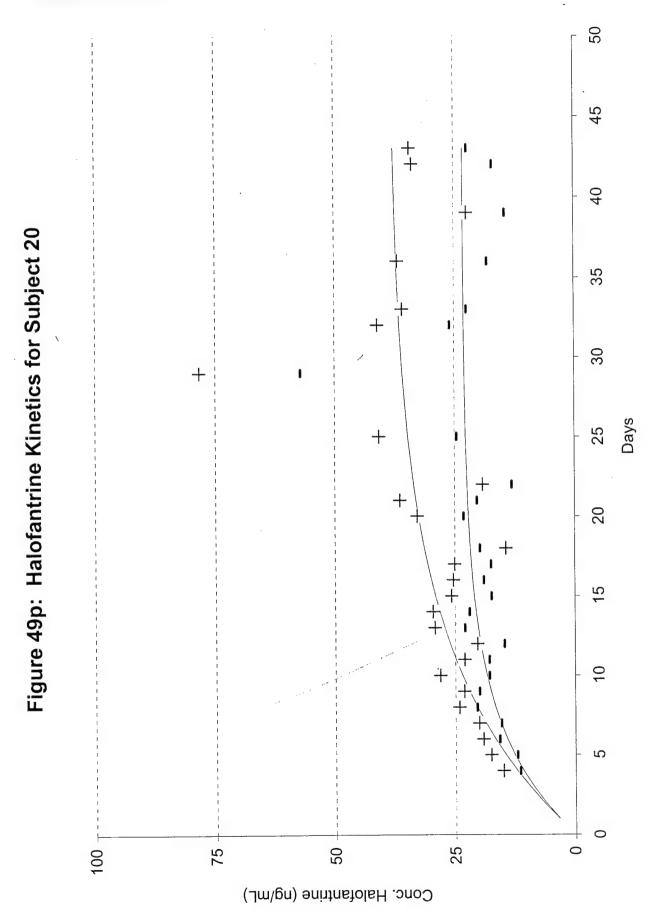
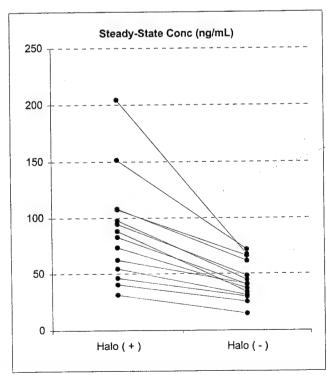
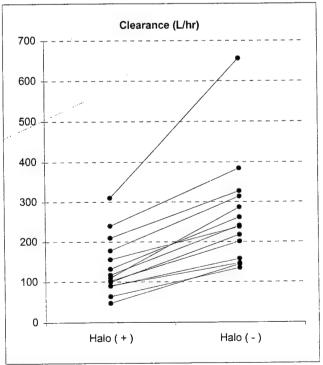


Figure 50: Pharmacokinetics of Halofantrine Clearance

	Steady-State (	Conc (ng/mL)	Clearan	ce (L/hr)
Subject	Halo ( + )	Halo ( - )	Halo ( + )	Halo ( - )
1	82.9	40.3	117.1	241.0
2	108.1	61.5	89.8	157.9
4	88.3	33.8	109.9	287.0
5	31.3	14.8	310.2	656.0
7	151.6	71.9	64.0	135.1
9	62.3	40.8	155.8	238.0
10	107.4	66.1	90.4	146.9
11	54.6	30.9	177.7	314.2
14	204.3	67.4	47.5	144.0
15	73.6	37.0	131.9	262.2
16	97.9	44.6	99.2	217.8
18`	94.6	48.3	102.6	201.1
19	46.3	29.7	209.8	327.4
20	40.5	25.3	240.0	384.5
Mean:	88.8	43.7	139.0	265.2
SD:	46.2	17.3	73.0	135.4
p-value:	0.0	00	0.0	000

Based on an average infusion rate of 233 mg/day of each isomer p-values from paired Student t-test





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		Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 2	Day 3	Day 4	Day 4	Day 4
Subj	Scrn	Pre	.5hr	1hr	2hr	3hr	4hr	6hr	8hr	10hr	12hr	Pre	Pre	Pre	2hr	4hr
01	87	58	29	72	59	61	29	69	89	74	70	29	62	65	09	71
02	71	55	51	55	55	99	59	57	65	63	58	58	64	22	89	64
03	09	09	58	55	29	58	63	58	09	56	53	09	58	54	55	62
04	62	69	71	69	99	64	29	71	69	29	73	70	64	20	75	77
05	09	56	51	52	58	51	52	61	58	09	09	56	20	22	54	61
90	72	64	59	57	55	69	99	54	55	64	54	53	54	59	54	70
07	28	46	41	41	51	52	47	44	46	45	46	41	49	59	20	99
80	61	55	51	57	57	57	59	59	54	51	61	54	53	50	55	62
60	51	49	20	51	52		55	63	22	58	57	20	48	28	53	63
10	68	59	29	62	64	72	20	29	64	75	62	65	64	99	71	77
7	92	84	86	83	88	89	98	86	96	93	85	9/	64	29	99	71
12	20	09	.09	58	58	70	77	63	65	29	09	22	52	54	51	63
13	51	46	44	46	45	56	54	52	57	53	51	48	44	46	52	25
14	49	45	45	46	44	48	47	44	43	47	44	45	44	45	47	49
15	89	65	29	09	74	62	83	73	99	99	64	73	29	25	72	99
16	74	78	72	70	99	9/	72	69	09	99	71	70	65	78	71	77
17	55	59	53	57	59	29	89	29								
18	89	58	56	55	58	65	63	64	29	9/	99	58	61	63	62	72
19	69	58	61	62	61	09	69	89	09	72	64	89	63	73	74	82
20		20	46	52	52	52	64	62	55	54	55	49	28	20	53	29
21	29	62	58	59	59	63	70	69	65	65	99	64	22	63	63	64
Summary:		Rate, BPM		C i	C	0	L	5	5	70	2	0	57	08	80	99
Average	99	29	2/	28	29	63	CO	03	70	40	10	80	20	3 8	3 8	3 8
Std Dev	1	10	7	10	10	9	12	10	7	7	9	10	07	60	60	80
Max	92	84	98	83	88	83	86	98	96	93	85	9/	29	78	75	82
	49	45	41	41	44	48	47	44	43	45	44	41	44	45	47	49

	Day 4	Day 4	Day 4	Day 5	Day 6	Day 7	Day 7	Day 7	Day 7	Day 7	Day /	Day 8	Day 9	Day 10	Day 11	Day 12
Subj	6hr	8hr	12hr	PRE	Pre	Pre	2hr	4hr	6hr	8hr	12hr	Pre	Pre	Pre	Pre	Pre
											\					
5	86	64	74	62	29	56	64	62	65	22	69	29	59	58	53	61
02	79	69	71	64	62	61	55	62	89	106	80	61	53	54	22	61
03	09	68	62	52	54	57	62	65	62	09	61	61	54	54	56	89
04	71	93	79	68	69	74	99	71	78	72	71	69	75.	89	73	75
05	89	59	52	46	55	54	49	54	29	52	55	55	20	20	49	26
90	99	99	65	57	53	65	54	75	70	58	64	59	58	54	64	61
70	51	52	55	47	29	59	54	72	64	22	69	58	65	65	62	22
80	61	58	58	54	51	52	54	62	58	57	09	56	56	22		
60	59	56	58	51	49	53	51	29	61	56	09	50	22	54	48	53
10	69	29	9/	65	75	68	73	77	74	94	71	72	09	06	22	29
=	29	74	73	65	64	64	61	74	29	65	65	62	61	09	64	09
12	63	56	26	64	64	55	56	65	99	65	64	99	72	61	62	61
13	09	51	54	47	53	20	50	59	52	22	61	53	20	47	46	45
14	47	48	41	45	48	47	45	51	20	46	46	48	45	45	42	47
15	63	57	55	59	99	69	63	29	28	62	61	58	29	22	62	55
16	79	65	73	79	64	65	89	78	9/	73	69	74	29	99	78	65
17																
18	70	99	64	. 63	61	70	65	2.2	28	72	68	63	29	62	65	61
19	79	9/	64	68	99	63		73	69	68	62	56	99	64	22	62
20	28	55	59	51	53	51	55	64	59	28	55	55	99	52	56	55
21	75	99	29	64	09	25	55	65	64	68	7.1	58	29	56	28	99
Summary:																-
Average	29	63	63	59	09	09	28	29	65	65	64	09	29	26	29	29
Std Dev	10	10	10	60	80	80	20	80	80	14	07	07	08	10	10	07
Max	98	93	62	79	75	74	73	78	78	106	80	74	75	06	78	75
	47	40	1	1	70	17	7,	71	C		,	•	L	1	2	L

	Day 13	Day 14	Day 14	Day 14	Day 14	Day 14	Day 14	Day 15	Day 16	Day 17	Day 18	Day 19	Day 20	Day 21
Subj	Pre		2hr	4hr	6hr	8hr	12hr	Pre						
A A A A A A A A A A A A A A A A A A A									\					
01	99	59	59	59	64	99	64	22	63	25	65	80	64	89
02	52	54	29	09	9/	29	71	63	53	63	54	54	56	58
03	64	. 89	62	99	20	63	65	61	90	61	59	59	52	57
04	68	73	74	9/	83	83	84	79	9/	77	86	81	9/	75
02	58	53	54	65	58	52	51	51	53	54	58	56	54	52
90	22	56	54	7.1	89	65	63	99	61	68	99	90	59	09
20	29	89	61	89	72	84	65	70	63	29	64	65	29	85
90														
60	99	45	59	09	55	54	22	53	20	56	20	49	56	51
10	59	75	64	75	73	80	65	62	69	61	88	79	29	71
11	54	99	63	74	20	71	79	61	64	62	62	64	29	65
12	63	59	59	56	57	63	92	. 29	. 61	63	29	65	59	62
13	46	42	49	09	44	91	58	20	50	49	55	48	43	44
14	42	45	44	51	51	48	49	46	44	46	46	45	50	49
15	58	55	26	7.1	65	58	56	54	51	52	61	69	57	54
16	81	64	65	78	80	65	72	70	71	78	70	70	71	75
17														
18	70	65	68	68	95	82	85	68	29	62	29	65	89	74
19	58	62						63	56	57	57	61	09	57
20	55	54	99	59	58	62	63	54	53	55	54	55	54	58
21	58	52	22	64	69	61	.68	55	54	55	59	09	55	54
Summary:														
Average	29	59	09	99	29	89	99	61	59	09	63	.62	09	62
Std Dev	60	60	07	10	12	12	10	80	80	80	12	10	90	1
Мах	81	75	74	83	92	91	85	79	9/	78	98	81	9/	85
Min	42	42	44	51	44	48	49	46	44	46	46	45	43	44

14.0	Day 21	Day 21	Day 21 6hr	Day 21	Day 21	Day 22 Pre	Day 25 Pre	Day 29 Pre	Day 32 Pre	Day 36 Pre	Day 39 Pre	Day 42 Pre	Day 42	Day 42 1hr
fans	ZUZ	401	JUO	1110	1177	<u>ה</u>	D L	<u> </u>	<b>D</b>		2		2	
01	56	75	71	9/	75	82	73	73	75	63	72	57	63	59
02	51	53	64	72	73	72	77	89	109	80	89			
03	49	51	56	53	63	54	52	59	62	58	99	26	61	62
04	75	88	82	85	78	85	81	72	75	75				
05	54	63	55	57	56	55	53							
90	64	9/	78	9/	69	70	77	29	73	62	64	28	22	56
07	68	89	69	99	69	65	79	59	75	53	68	59	55	56
80														
60	61	64	63	61	09	09	72	59	22	54	20	47	58	46
10	65	80	82	9/	29	72	75	84	72	22	09	69	29	63
7	70	80	73	74	72	99	71	77	70		73	64	63	09
12	59	99	29	89	29	65	74	70	70	61	70	29	62	59
13	43	52	46	49	47	54	62	20	09	54	26	47	48	49
14	57	52	51	20	49	20	59	58	54	22	56			
15	56	29	63	58	29	55	9/	75	71	72	89	09	25	62
16	64	89	77	73	75	72	9/	29	20	72	75	29	63	61
17														
18	72	83	85	85	77	72	80	88	81			22	59	58
19	59	9/	69	.65	63	29	09	61	68	69	29	64	61	09
20	56	64	64	99	09	59	54	56	54	51	54	28	53	54
21	54	61	28	57	72	56	54	56	61	09	52	52	22	54
														•
Summary:														
Average	09	69	29	29	99	65	69	29	20	62	64	28	58	22
Std Dev	80	12	11	11	60	10	10	10	13	60	80	90	04	05
Max	75	68	85	85	78	85	81	88	109	80	75	69	63	63
Min	13	51	16	40	47	50	52	20	5.4	٦,	20	47	48	46

	Day 42	Day 42	Day 45	Day 45	Day 45	Day 45	Day 45	Day 43	Day 44	Day 45	Day 48	Day 51	Day 54	Day 57
Subj	2hr	3hr		6hr	8hr	10hr	12hr	AM						
												ı	00	3
5	63	98	70	29	69	9/	71	56	58	09	29	54	89	64
02														
03	57	62	62	65	53	56	28	73	70	74	69	64	65	61
04														
05														
90	58	58	78	09	29	59	53	29	22	52	64	61	64	63
07	56	48	59	47	54	59	55	36		74	89	65	83	78
80													-	
60	51	55	54	49	53	53	52	50	22		54	09	56	69
10	70	87	9/	63	59	20	72	7.1	79		20	81	81	
11	64	75	77	71	89	89	70	89	99	79				
12	55	89	.61	55	55	28	09	28	61	55	29	74	09	78
13	52	49	51	45	46	49	49	20	62	64	49	29	62	62
14														
15	64	73	71	89	89	7.1	75	75	69	63	61	78	89	63
16	22	6/	89	92	73	73	75	78	96					
17														
18	57	65	64	29	26	62	09	22	73	75		80	98	81
19	61	29	89	63	62	63	62	62	69	65	74	80	74	63
20	57	59	99	62	63	28	55	58	54	53	28	65	28	21
21	58	22	63	22	65	64	22	55	71	70	74	93	71	72
Summary:														
Average	59	99	99	09	09	63	62	09	29	99	64	70	69	29
Std Dev	05	12	80	60	80	90	60	7	11	60	80	11	10	60
Max	70	87	78	92	73	9/	75	78	96	79	74	93	86	84
Min	5.7	48	51	45	46	49	49	36	24	53	49	24	26	21

	Day 72	Day 180
Subj	AM	AM
10	74	84
02		
03	62	09
04		
05		
90	99	83
70	29	29
80		
60	51	62
10		
11		
12	64	69
13	59	62
14		
15	111	87
16	74	83
17		
18	06	
19	58	
20	55	
21		
Summary:		
Average	69	73
Std Dev	17	7
Мах	111	87
Min	51	09

472,h0 04,42b 04,84b 04'bb 442,512 442,h8 442,64 942,h2 d42,h0.5 04'6EP 432,50 Figure 51: SD & Range Charts for ECG: Rate, BPM q52°40 214,15b 421,16 421,52 920,50 04,81b 04'9LP 214,41b 94'tlp 24,41b 913,50 04'11P 04'6P 214,7b 94,7b Հդ, ԴЪ 04'9p 44,612 94'<del>7</del>9 74,4b 04'EP £14,1b 84,1b 74'LP Z4,1b 3.04,16 ധാട്ട 120 100 80 9 40 20 0 ECG: Rate, BPM

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Day and Hour of Protocol

1			_			-	Day	Lay	Day -	Day	Day 2	Dav 3	Dav 4	Dav 4	7 200		
200	7 9	Juc.	1hr	2hr	3hr	4hr	6hr	8hr	10hr	12hr	Pre	Pre		2hr	db' t	Day 4	Day 4
0,1															ř	OUIL	SUL
146	138	148	136	156	154	154	136	148	148	142	150	160	470	7			
162	162	164	170	168	172	174	166	156	156	700	22.	200	0/1	791	158	146	156
174	162	166	174	154	164	170	173	27.	000	201	901	160	152	152	150	152	142
162	156	160	164	162	148	156	160	1,0	184	184	170	180	196	198		186	176
150	160	160	156	150	151	156	200	25	761	126	156	158	158	162	162	168	154
136	142	154	144	176	7 7	200	140	144	154	160	156	170	166	162	144	150	154
160	148	154	150	127	130	130	124	148	140	136	142	150	136	144	142	140	142
146	150	136	134	128	150	140	138	152	164	158	164	156	154	160	150	156	150
168	170	168	168	160	3	148	148	128	134	120	158	158	162	144	130	138	138
140	144	140	142	142	132	126	132	107	120	154	162	168	166	160	142	148	152
136	130	128	132	132	130	128	130	126	120	200	144	148	114	140	130	143	140
164	164	172	164	162	156	156	188	16.4	071	871	130	136	136	146	140	138	140
150	152	154	156	150	138	146	343	104	104	0/1	166	138	176	168	166	166	170
170	170	172	178	180	170	168	171	407	142	144	160	164	164	154	148	140	148
150	146	152	148	148	126	138	1 2	7 90	200	1/4	166	176	182	180	174	164	176
174	182	172	180	178	180	178	170	0 7	91	150	146	152	150	148	146	148	150
174	178	176	194	176	172	160	160	104	180	1/4	178	182	178	184	176	180	174
140	142	142	142	144	140	130	130	7.70	00,								
126	136	136	134	134	130	133	150	040	136	140	154	152	154	146	142	142	144
	142	146	142	154	146	136	120	971	132	128	138	130	136	132	128	124	130
154	180	152	156	170	170	180	200	38	142	138	140	148	144	150	148	140	152
				,	2	3	000	00	1/2	162	158	148	164	160	158	152	162
CG-P	ECG - PR Interval	'al															
154	155	155	155	154	151	150	1/10	140	0.17								
4	15	14	17	7.	17	3 4	20,00	140	200	151	155	157	158	158	149	151	153
174	182	176	194	180	180	178	170	0 0	2 3	18	12	4	19	16	14	15	13
126	130	128	132	128	126	126	124	200	184	184	178	182	196	198	176	186	176
				2	2	071	77	14	2	100	700	700		-			

		~.
7	כ	

Table 12b-3 ECG - PR Interval

	Day 14	Day 14 Day 14	Day 14	Day 14	Day 15	Day 16	Day 17	Day 18	Day 19	Day 20	Day 21	Day 21	Day 21	Day 21	Day 21
Subj	4hr	6hr	8hr	12hr	Pre	2hr	4hr	6hr	8hr						
01	150	136	150	140	142	148	148	156	146	158	164	160	148	144	150
02	152	158	152	156	168	166	176	180	168	172	170	176	166	188	170
03	142	158	178	180	176	162	156	176	190	170	156	154	176	176	176
04	142	144	146	154	150	142	156	150	144	146	144	150	148	140	148
05	144	146	154	170	166	156	150	140	150	162	154	146	150	144	150
90	142	136	142	148	152	136	150	144	136	132	136	146	140	138	138
07	154	158	150	136	140	156	126	152	136	144	150	152	154	152	160
80															
60	148	162	164	162	172	174	174	172	172	174	168	168	164	160	152
10	142	146	142	148	148	146	150	150	150	140	150	146	138	138	140
11	130	132		130	148	146	144	148	148	144	138	138	126	136	138
12	170	170	178	140	170	178	166	186	186	174	178	174	170	166	176
13	140	144	142	144	164	162	140	154	160	140	162	134	150	154	144
14	162	162	162	174	176	174	166	174	168	170	166	158	158	164	174
15	152	144	150	144	152	144	148	156	154	150	158	156	148	140	150
16	184	182	100	186	184	184	186	186	188	184	184	186	178	180	182
17															
18	136	132	136	144	154	152	156	156	156	160	156	146	142	140	140
19					132	136	132	140	136	136	138	126	130.	128	136
20	144	136	134	130	148	146	150	144	146	144	146	146	140	134	134
21	172	154	170	168	164	180	176	166	184	186	176	176	166	156	172
Summary:															
Average	150	150	150	153	158	157	155	159	159	157	158	155	152	151	154
Std Dev	14	14	19	17	14	15	16	15	18	17	14	16	15	17	16
Max	184	182	178	186	184	184	186	186	190	186	184	186	178	188	182
Min	130	132	100	130	132	136	126	140	136	132	136	126	126	128	134

	Day 21	Day 22	Day 25 Day 29	Day 29	Day 32	Day 36	Day 39	Day 45	Day 42	Day 45	Day 45	Day 45	Day 42	Day 45	Day 45
Subj	12hr	Pre	Pre	Pre	Pre	Pre	Pre	Pre	.5hr	1hr	2hr	3hr	4hr	6hr	8hr
10	148	160	172	148	146	148	144	148	158	138	136	144	144	146	142
02	166	172	202	180	176	152	158								
03	164	166	160	170	176	178	144	156	162	166	160	138	164	162	164
40	148	142	152	134	150	146									
05	154	154	152												
90	142	146	150	140	140	144	124	140	128	140	136	140	136	128	120
07	156	150	156	162	164	166	164	166	162	172	170	166	172	166	156
80															
60	162	168	152	158	164	146	154	168	160	150	146	144	150	144	148
10	128	150	142	134	128	140	138	138	140	148	144	142	144	150	136
11	138	136	132	134	134		130	136	144	144	136	132	134	138	142
12	172	168	162	160	162	170	158	182	178	178	182	182	178	176	174
13	148	164	152	134	154	158	154	164	160	158	160	166	168	160	162
14	164	172	166	180	164	158	162								
15	142	150	144	138	146	140	146	148	146	152	158	148	142	146	164
16	182	186	176	180	178	174	176	184	180	162	154	188	156	168	170
17															
18	148	152	134	140	142			140	138	142	138	136	136	130	134
19	134	134	126	134	144	128	126	126	126	130	126	120	128	116	122
20	138	142	140	140	148	140	136	152	144	148	150	148	144	142	140
21	160	188	156	146	154	148	148	178	172	174	162	170	146	160	156
Summary:												,			
Average	152	158	154	151	154	152	148	155	153	153	151	151	149	149	149
Std Dev	14	16	17	17	15	14	15	18	17	14	15	19	15	17	17
Max	182	188	202	180	178	178	176	184	180	178	182	188	178	176	174
Min	128	134	126	134	128	128	124	126	126	130	126	120	128	116	120

## Table 12b-5 ECG - PR Interval

Blank = Not Obtained

	Day 42	Day 45	Day 43	Day 44	Day 45	Day 48	Day 51	Day 54	Day 57	Day 72	Day 180
Subj	10hr	12hr	AM	AM							
01	152	154	148	148	154	146	150	158	160	160	160
02											3
03	164	162	150	158	176	162	154	136	174		178
04											
02											
90	128	124	130	134	122	124	111	138	146	128	
07	162	164	170		168	182	182	154	130	170	182
90											
60	148	156	166	162		158	142	154	152	172	158
10	126	148	146	148	130	136	140	152			
11	144	128	146	138	128						
12	176	174	170	166	174	176	168	180	166	166	172
13	164	162	160	152	152	126	148	142	154	140	
14										- Augusta	
15	152	148	146	144	146	148	142	138	148	140	140
16	170	170	170	178						180	174
17											
18	132	136	140	126	132		138	132	146	132	
19	128	130	130	118	136	130	124	132	118	124	
20	140	148	148	142	138	146	138	146	138	134	
21	146	140	160	146	142	154	162	136	134		
Summary:	ı						:				
Average	149	150	152	147	146	149	146	146	147	150	166
Std Dev	16	16	14	16	18	19	18	41	16	20	15
Max	176	174	170	178	176	182	182	180	174	180	182
Min	126	124	130	118	122	124	111	132	118	124	140

472,50 04,45b 04,84b 04,44b 45,h12 84,246 442,64 74,246 3.04,S4b 04,esb 432,60 Figure 52: SD & Range Charts for ECG - PR Interval 9Z5,h0 214,12b 421,16 24,1Sb Day and Hour of Protocol 04,0Sb 04,81b 04,81b 414,512 94'tlP 74,41b 04,816 04,116 04'6P Sr4,7b 94,7b 24,7b 04,8b 214,4b 94'tP 74,4b 04,6b £14,1b 84,1b **⊅**4'↓p 24,1b 3.04,fb Scm 220 200 180 160 140 120 100 ECG - PR Interval

Dec. 17, 1998

		Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 2	Day 2	Day 4	A VEC
Subj	Scrn	Pre	.5hr	1hr	2hr	3hr	4hr	6hr	8hr	10hr	12hr	Pre	Pre	Pre	2hr
70	80	98	78	82	82	80	80	82	80	78	78	82	86	80	82
02	98	84	82	92	98	72	98	82	82	98	80	84	68	74	9/
03	98	84	98	86	84	98	98	84	98	84	86	82	98	88	92
04	88	84	90	90	06	82	06	88	06	92	84	06	94	96	98
05	88	80	98	06	82	84	98	78	98	84	98	88	98	84	80
90	106	106	102	104	104	108	108	110	106	108	106	104	108	104	106
07	108	106	110	108	100	104	86	104	110	108	110	102	108	102	102
08	74	98	98	88	94	74	78	72	70	98	80	82	06	98	74
60	100	100	100	96	98		94	98	94	06	94	86	86	86	94
9	. 74	72	20	20	72	02	72	72	68	70	72	72	70	74	74
7	98	80	78	80	78	86	84	84	84	92	78	78	84	82	80
12	88	92	100	94	100	88	06	06	84	98	92	98	94	104	98
13	92	84	86	94	94	90	92	88	88	06	88	100	100	92	92
14	108	100	100	102	98	100	90	100	110	102	102	100	100	84	100
15	102	104	104	104	100	100	104	94	102	96	102	110	98	104	102
16	84	82	80	82	98	84	84	06	88	98	88	82	94	98	84
17	84	88	88	94	94	96	96	96							
18	86	90	88	∫ 86	90	90	98	90	98	88	88	06	94	06	90
19	92	82	88	86	84	84	84	84	9/	78	88	80	82	9/	89
20		100	108	92	94	94	86	88	06	06	88	100	98	94	106
21	96	102	104	104	104	102	104	100	102	100	100	100	108	100	98
Cummon	Soom Journal and Son	Se latera													
Average	9 06	06	92	92	91	89	Ob	80	80	80	Op	01	93	G	O
Std Dev	10	10	17	60	60	=	60	10	12	10	10		11	10	12
Max	108	106	110	108	104	108	108	110	110	108	110	110	108	104	106
Min	74	72	70	20	72	70	72	72	68	70	72	72	68	74	68

	Day 4	Day 4	Day 4	Dav 4	Day 5	Day 6	Day 7	Dav 7	Dav 7	Day 7	Day 7	Day 7	Day 8	Dav 9	Day 10
Subj	4hr	6hr	8hr	12hr	PRE	Pre	Pre	2hr	4hr	6hr	8hr	12hr	Pre	Pre	Pre
	-														
01	82	80	80	82	82	82	28	82	80	80	96	84	84	80	84
02	78	70	74	72	89	84	74	9/	82	98	98	98	94	80	72
03	06	06	06	84	84	78	98	84	88	98	84	98	84	82	80
04	96	92	92	92	92	96	96	06	92	94	06	82	6	84	92
05	74	82	80	82	78	98	78	86	98	84	74	88	82	78	78
90	106	106	106	108	110	110	110	108	104	108	106	110	106	106	110
07	102	100	104	98	98	96	110	110	110	114	110	108	98	110	106
80	06	86	84	92	84	86	98	98	06	84	80	84	0.2	84	82
60	96	94	94	06	86	100	100	96	94	96	94	98	100	106	100
10	74	72	92	72	9/	74	74	74	74	72	74	74	74	74	74
11	80	82	84	84	84	84	78	78	9/	82	80	84	92	9/	84
12	100	06	86	06	92	96	100	88	98	96	88	100	98	88	90
13	88	96	88	88	92	88	94	88	88	98	88	98	94	98	96
14	100	94	100	100	102	100	88	104	06	100	06	100	92	88	92
15	104	102	100	100	96	102	86	102	98	100	98	104	104	104	104
16	86	84	98	80	86	94	96	88	88	98	99	80	88	88	88
17															
18	88	98	06	92	92	92	96	90	98	98	98	90	94	94	102
19	78	9/	74	78	98	70	80		84	82	98	80	82	84	92
20	94	94	104	94	102	104	100	94	92	94	96	82	108	102	102
21	100	98	96	86	100	100	104	102	98	102	100	104	108	108	102
														-	
Summary															
Average	06	88	88	88	90	91	06	91	89	92	83	90	91	91	92
Std Dev	10	10	10	10	10	10	11	11	60	10	11	11	11	12	7
Max	106	106	106	108	110	110	110	110	110	114	110	110	108	110	110
Min	74	70	74	72	89	20	74	74	74	72	99	74	70	74	72

	Day 11	Day 12	Day 13	Day 14	Day 14	Day 14	Day 14	Day 14	Day 14	Day 15	Day 16	Day 17	Day 18
Subj	Pre	Pre	Pre	Pre	2hr	4hr	6hr	8hr	12hr	Pre	Pre	Pre	Pre
01	84	84	88	84	98	86	98	96	86	84	82	86	84
02	82	72	86	82	98	98	98	98	88	78	98	70	82
03	9/	84	84	98	84	82	84	98	98	80	78	78	84
04	92	82	06	80	80	92	92	80	80	9/	92	98	06
90	88	78	78	20	82	9/	80	76	92	80	74	78	92
90	106	106	106	100	104	104	106	102	108	104	106	106	108
07	106	98	94	106	108	108	108	112	110	106	106	106	96
80													
60	100	102	102	102	96	06	92	96	96	98	86	98	104
10	74	74	74	9/	9/	9/	74	74	74	74	74	74	74
11	78	74	84	82	84	82	82	78	9/	82	84	84	82
12	94	88	96	92	96	96	94	92	9/	92	94	102	92
13	86	96	92	102	98	92	94	98	94	96	86	94	96
14	100	92	100	06	100	06	102	98	102	84	102	92	102
15	104	104	106	102	100	106	104	102	108	102	106	104	102
16	88	90	84	06	06	06	98	88	84	88	84	88	86
17						re-relational rates assured and security defen							
18	92	06	95	94	92	92	98	98	06	94	94	94	90
19	98	84	74	72						9/	80	74	98
20	108	78	80	102	82	98	98	102	88	06	78	100	94
21	98	102	86	100	102	100	86	86	96	100	104	106	102
Summary													
Average	92	88	90	06	91	91	92	91	90	89	91	91	92
Std Dev	11	11	10	11	60	10	10	10	12	10	17	12	60
Max	108	106	106	106	108	108	108	112	110	106	106	106	108
Min	74	72	74	20	9/	9/	74	74	74	74	74	70	74

	Day 19	Day 20	Day 21	Day 21	Day 21	Day 21	Day 21	Day 21	Day 22	Day 25	Day 29	Day 32	Day 36
Subj	Pre	Pre			4hr	6hr	8hr	12hr	Pre	Pre	Pre	Pre	Pre
10	92	84	82	82	86	84	84	82	84	80	88	84	84
02	202	84	88	72	82	92	98	84	88	70	80		90
03	80	84	82	06	82	90	82	82	82	82	88	98	98
04	06	88	06	06	92	82	96	86	80	06	06	06	88
05	86	78	78	92	74	74	9/	9/	80	80			
90	106	108	106	106	110	106	104	108	106	104	106	108	106
07	86	100	96	98	102	96	102	100	106	104	106	110	106
08										-			
60	102	102	96	86	96	98	96	90	98	100	94	96	102
10	74	72	74	72	72	74	72	72	72	72	74	74	74
-	84	84	86	82	80	80	80	74	80	98	9/	98	
12	88	96	82	96	88	84	06	06	90	82	98	94	88
13	94	100	102	84	86	98	88	98	94	88	104	92	96
14	06	100	88	100	92	100	92	84	92	96	06	106	100
15	104	106	102	104	102	100	102	100	106	104	102	100	104
16	88	06	98	84	88	84	82	88	98	84	86	92	84
17													
18	92	92	92	94	96	98	88	94	94	96	84	94	
19	84	06	9/	74	80	80	72	80	74	88	9/	80	88
20	102	96	9/	102	96	96	92	92	80	94	94	90	86
21	108	106	100	104	100	100	100	100	102	102	102	106	06
Summary													
Average	06	93	83	06	88	83	89	88	88	88	06	93	92
Std Dev	1-	10	10	17	10	60	10	10	11	-	9	10	60
Max	108	108	106	106	110	106	104	108	106	104	106	110	106
Min	70	72	74	72	72	74	72	72	72	20	74	74	74

9	Day 39	Day 42	Day 42 5hr	Day 42	Day 42 2hr	Day 42	Day 42 4hr	Day 42 6hr	Day 42 8hr	10hr	12hr	Day 43	AM
fans	Fre	D L	= 10.		1117	5		5					
01	82	94	94	88	78	82	80	82	84	80	84	100	98
02	06												
03	84	98	84	82	98	82	84	94	82	86	84	84	92
40													
05													
90	108	106	104	106	106	106	104	112	112	. 112	114	108	108
20	110	112	112	112	114	114	116	114	110	116	112	112	
80													
60	86	100	06	98	06	92	96	98	94	96	86	102	94
10	74	72	74	72	82	72	74	72	20	74	72	74	74
17	84	84	84	84	78	84	9/	98	98	82	78	9/	9/
12	96	88	06	86	88	92	92	98	98	92	88	92	96
13	98	96	108	100	06	94	94	100	100	88	06	92	94
14	84												
15	104	100	96	100	106	104	108	100	104	96	104	108	102
16	84	06	88	78	98	74	82	84	78	98	80	84	84
17													
18		94	92	06	94	94	94	84	90	88	84	92	86
19	78	80	72	80	72	82	78	74	78	74	74	78	80
20	96	84	98	80	98	98	98	98	84	82	98	84	98
21	96	108	106	106	106	102	108	104	106	106	104	104	106
Summary	6	8	CO	5	50	94	9	91	94	91	06	93	91
Average	35	2 4	10	10	5 5	12	13	13	13	13	13	12	-
ota Dev	110	112	112	112	114	114	116	114	112	116	114	112	108
Max	1	1 0			1		i		1	1	1	1,1	7.7

AM         AM           84         86           80         86           80         86           112         106           108         106           94         96           72         88           88         88           88         88           98         100           98         100           96         104           96         104           96         104           96         104           112         11           112         11           112         74		Day 45	Day 48	Day 51	Day 54	Day 57	Day 72	Day 180
01         92         80         84         84         86           02         03         94         80         82         80         86           03         94         80         82         80         86           04         05         110         114         110         112         106           05         110         114         110         112         106         106           07         108         108         112         108         106         106           09         94         102         94         96         88         88         100           14         104         102         98         86         88         100           15         104         104         102         98         100           16         10         10         96         10         96           16         17         10         10         10         10           16         10         10         10         10         10         10           16         10         10         10         10         10         10           10	Subj	AM	AM	AM	AM	AM	AM	AM
01         92         80         84         84         86           02         02         80         82         80         86           03         94         80         82         80         86           04         05         110         114         110         112         106           05         110         114         110         112         106         106           08         112         108         106         106         106         106           09         94         102         94         96         96         96           14         84         76         74         72         74         74           15         104         102         98         88         88         88         100           15         104         104         102         98         88         100         11           16         76         78         80         74         74         74           20         96         102         96         108         108           21         108         106         106         104         104								
02         94         80         82         80         86           04         80         82         80         86           05         110         114         110         112         106           06         110         114         110         112         106           07         108         108         112         106         106           08         94         102         94         96         96           10         76         74         72         88         88         100           14         104         102         98         88         100           15         104         102         98         88         88           15         104         102         98         88         100           16         76         78         80         74         74           20         96         102         96         96         108           21         108         106         104         104           22         96         96         96         104           23         96         97         96         104 </th <th>10</th> <td>92</td> <td>80</td> <td>84</td> <td>84</td> <td>86</td> <td>98</td> <td>84</td>	10	92	80	84	84	86	98	84
03         94         80         82         80         86           04         05         80         86         86         86           05         110         114         110         112         106           06         110         114         110         112         106           08         112         108         106         106           09         94         102         94         96           10         76         74         72           11         84         88         86         88           13         92         90         90         88         88           14         104         102         98         88         88           15         104         102         90         88         88         100           15         104         102         90         88         88         100           16         76         74         74         74           20         96         102         96         104           21         108         106         104           10         10         10	02							
04       04         05       110       114       110       112       106         06       110       114       110       112       106         08       110       112       106       106         09       94       102       94       96         10       76       74       72       106         11       84       76       74       72         12       92       86       88       88       88         13       92       86       88       88       100         14       104       102       98       88       100         15       104       102       98       88       100         16       17       102       98       100       100         18       92       94       92       94       104         20       96       102       90       96       104         21       108       106       110       96       104         21       108       106       107       96       104         21       108       109       96       96 <t< th=""><th>03</th><th>94</th><th>80</th><th>82</th><th>80</th><th>86</th><th>A decided and the second</th><th>86</th></t<>	03	94	80	82	80	86	A decided and the second	86
05         110         114         110         112         106           07         108         108         112         106           08         108         112         106         106           09         94         102         94         96           10         76         74         72         106           10         76         74         72         106           11         84         86         88         86         88           13         92         80         88         88         100           14         104         102         98         100           16         17         92         94         92           16         17         102         98         100           16         104         102         98         100           18         92         94         92         94           20         96         102         96         104           21         108         104         104           21         108         104         104           22         96         93         94 <th>04</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	04							
06         110         114         110         112         106           07         108         108         112         106           08         94         102         94         96           10         76         74         72           11         84         76         74         72           11         84         86         88         88           13         92         90         90         88         88           14         104         102         98         88         88           14         104         102         98         88         88           14         104         102         98         88         88           15         104         102         98         88         100           16         76         78         80         74         74           20         96         102         90         96         104           21         108         106         110         96         104           22         96         93         94         91         95           22         110	05							
07         108         108         112         108         106           08         09         112         108         106           10         94         102         94         96           10         76         74         72         72           11         84         88         88         88         88           13         92         80         90         88         88           14         104         104         102         98         100           15         104         104         102         98         100           16         76         78         80         74         74           20         96         102         96         104           21         108         106         104         104           20         96         106         96         104           21         108         104         95           21         108         104         95           32         94         91         95           96         96         97         94           10         112         112	90	110	114	110	112	106	110	104
08       94       102       94       96         10       76       74       72         11       84       72       96         12       92       86       88       86       88         13       92       90       90       88       88         14       104       104       102       98       100         15       104       104       102       98       100         16       17       102       98       100         17       78       80       74       74         20       96       102       96       104         20       96       106       106       104         21       108       106       110       96       104         21       108       96       96       104       95         22       96       93       94       91       95         10ev       10       13       12       11       11         110       114       112       112       108         110       12       74       74       10         110       13 <th>07</th> <td>108</td> <td>108</td> <td>112</td> <td>108</td> <td>106</td> <td>108</td> <td>108</td>	07	108	108	112	108	106	108	108
09     94     102     94     96       10     76     74     72       11     84     76     74     72       12     92     86     88     86     88       13     92     90     90     88     88       14     104     102     98     100       14     104     102     98     100       16     7     74     74       17     76     78     80     74     74       20     96     102     90     96     104       21     108     106     110     96     104       1mary     10     13     12     12     11       110     114     112     112     108       110     114     112     112     108       110     114     112     112     108       110     114     112     112     108       110     114     112     112     114       110     114     112     12     14       110     144     112     14     14       111     112     12     14     14       111 <td< th=""><th>80</th><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	80							
10     76     74     72       11     84     72     72       12     92     86     88     86     88       13     92     90     90     88     88       14     104     102     98     88     88       15     104     104     102     98     100       16     17     104     102     98     100       18     92     94     92     94       20     96     102     96     104       20     96     106     110     96     104       1mary     106     110     96     104     95       Dev     10     112     112     118       110     114     112     112     108       110     114     112     112     108	60		94	102	94	96	94	06
11     84     88     86     88       12     92     86     88     86     88       13     92     90     90     88     88       14     10     90     88     88     88       14     10     90     88     88     100       15     104     102     98     100       16     17     94     92     94       19     76     78     80     74     74       20     96     102     96     104       21     108     110     96     104       1mary     10     13     12     12     11       Dev     10     11     112     112     108       76     76     74     72     74	10		9/	74	72			
12     92     86     88     86     88       13     92     90     90     88     88       14     14     10     88     88     100       14     104     90     88     88     100       15     104     104     102     98     100       17     17     10     10     10       19     76     78     80     74     74       20     96     102     96     108       21     108     106     110     96     104       mary     10     13     12     12     11       pev     110     114     112     112     108       76     76     74     72     74	11	84	- Andrews of the second					
13       92       90       90       88       88         14       14       16       88       88       88         15       104       104       102       98       100         16       16       104       102       98       100         17       78       80       74       74         20       96       102       90       96       108         21       108       106       110       96       104         Imary       10       13       12       12       11         Dev       10       114       112       112       108         76       76       76       74       72       74	12	92	86	88	98	88	88	06
14       104       104       102       98       100         15       104       104       102       98       100         16       17       80       100       90       94       100       94       95       94       94       94       94       94       94       94       94       94       94       96       108       96       108       96       108       96       104       96       104       96       104       96       104       96       104       96       96       96       93       94       91       95       11         Dev       10       113       12       12       11	13	92	90	90	88	88	96	94
15     104     104     102     98     100       16     16     104     102     98     100       17     18     92     94     92     94       19     76     78     80     74     74       20     96     102     90     96     108       21     108     106     110     96     104       mary     10     13     12     12     11       Dev     10     114     112     112     108       76     76     76     74     72     74	14							
16     16       17     92     94     92     94       18     92     94     92     94       19     76     78     80     74     74       20     96     102     90     96     108       21     108     106     110     96     104       Imary     10     13     12     12     11       Dev     10     13     12     12     11       76     76     74     72     74	15	104	104	102	98	100	102	104
17     94     92     94       18     92     94     92     94       20     76     78     80     74     74       20     96     102     90     96     108       21     108     106     110     96     104       Imary     10     13     12     12     11       Dev     10     13     12     12     11       76     76     74     72     74	16			and the second			84	84
18         92         94         92         94           19         76         78         80         74         74           20         96         102         90         96         108           21         108         106         110         96         104           Imary         rage         96         93         94         91         95           Dev         10         13         12         12         11           76         76         74         72         74	17							
19         76         78         80         74         74           20         96         102         90         96         108           21         108         106         110         96         104           Imary         rage         96         93         94         91         95           Dev         10         13         12         12         11           76         76         74         72         74	18	92		94	92	94	98	
20         96         102         90         96         108           21         108         106         110         96         104           Imary         Image         96         93         94         91         95           Dev         10         13         12         12         11           Topology         76         74         72         74	19	92	78	80	74	74	82	
21         108         106         110         96         104           nmary         rage         96         93         94         91         95           Dev         10         13         12         12         11           76         76         74         72         74	20	96	102	90	96	108	82	
Imary     96     93     94     91     95       Dev     10     13     12     12     11       76     76     74     72     74	21	108	106	110	96	104		
rage         96         93         94         91         95           Dev         10         13         12         12         11           76         76         74         72         74	Summary							
Dev         10         13         12         12         11           76         76         74         72         74	Average	96	93	94	91	95	94	94
110     114     112     108       76     76     74     72     74	Std Dev	10	13	12	12	1	10	60
76 76 74 72 74	Max	110	114	112	112	108	110	108
	Min	92	9/	74	72	74	82	84

**972,h0** 04,43b 04,84b 04,44b 442,h12 84,246 442,64 242,h2 3.04,24b 04,655 Figure 53: SD & Range Charts for ECG - QRS Interval, msec 932,60 925,60 214,12b 94,156 421,52 Day and Hour of Protocol 920,60 04,816 04,81b 714,41b 94,41b 414,62 04,816 04,116 04'6P 214,7b 94,7b ZA, Tb 04,8b 214,4b 94'tP 24,4b 04,6b £14,1b 84,1b 74,1b 24,1b 5.04,1b Scrn 110 120 100 90 80 20 9 ECG - QRS Interval, msec

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		Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 1	Day 2	Day 3	Day 4	-
Subj	Scrn	Pre	.5hr	1hr	2hr	3hr	4hr	6hr	8hr	-10hr	12hr	Pre	Pre	Pre	
															L.
6	397	399	397	403	384	371	407	396	393	402	391	381	392	389	
02	413	404	409	405	387	419	410	382	442	411	414	399	408	393	413
03	380	402	379	375	410	412	401	403	406	392	384	388	393	392	407
04	406	383	389	373	376	398	395	395	396	389	397	388	401	411	423
05	372	390	376	394	407	372	373	387	383	404	404	388	383	403	397
90	385	382	368	356	347	369	363	345	353	386	358	341	348	352	348
07	412	398	378	403	420	409	408	364	368	396	406	388	391	410	388
08	383	372	371	380	380	366	371	401	383	379	383	383	384	377	372
60	379	395	374	375	359		386	401	391	381	391	368	393	416	384
10	400	398	392	400	402	409	399	395	396	406	400	377	404	404	413
11	418	412	421	414	409	455	474	414	414	415	416	423	444	435	425
12	394	384	376	399	387	399	396	367	389	378	364	379	390	360	363
13	394	383	397	395	390	394	390	392	393	389	389	391	373	377	395
14	408	403	406	399	421	416	389	385	426	419	426	420	403	408	412
15	389	401	388	349	395	374	395	397	392	388	388	399	405	381	416
16	399	380	396	393	390	400	400	394	374	400	400	392	382	399	395
17	409	360	409	341	349	346	359	346							
18	417	403	394	400	409	403	403	402	403	409	402	409	411	416	412
19	418	395	377	366	389	404	418	402	402	405	404	402	422	410	404
20		422	392	415	404	402	402	398	398	392	402	438	383	397	422
21	401	406	403	412	408	409	423	405	406	408	409	408	409	418	422
Summary	ECG - QTc Interval, msec	c Interval	, msec												
Average	399	394	390	388	392	396	398	389	395	397	396	393	396	397	400
Std Dev	14	4	14	21	21	24	24	19	19	12	16	21	20	20	21
Max	418	422	421	415	421	455	474	414	442	419	426	438	444	435	425
Min	372	360	368	341	347	346	359	345	353	378	358	341	348	352	348

	Day 4	Day 4	Day 4	Day 4	Day 5	Day 6	Day 7	Day 7	Day 7	Day 7	Day 7	Day 7	Day 8	Day 9	Day 10
Subj	4hr	6hr	8hr	12hr	PRE	Pre	Pre	2hr	4hr	6hr	8hr	12hr	P.Fe	7 5	P G
0.1	398	409	382	399	375	393	369	411	402	399	389	403	405	398	403
02	408	417	413	413	406	412	409	401	408	419	507	420	425	419	406
03	406	400	404	402	380	390	401	414	403	404	404	407	401	383	404
04	398	398	417	404	399	411	406	398	402	396	400	402	398	400	398
05	381	410	402	391	382	415	411	374	395	399	369	413	400	389	396
90	379	371	385	385	349	357	391	355	374	388	387	382	390	356	364
07	423	414	413	417	403	410	414	398	435	419	411	453	418	418	414
08	388	404	382	407	385	385	387	398	409	394	398	384	402	417	390
60	403	391	385	409	384	397	372	358	389	407	396	406	399	428	411
10	412	405	412	414	412	409	410	419	405	399	418	406	414	414	438
=	437	416	448	439	439	444	421	434	424	429	437	410	424	423	430
12	391	393	382	361	396	356	382	399	391	394	378	392	394	400	403
13	394	402	380	394	384	409	407	403	396	374	401	399	411	394	396
14	410	403	407	398	404	419	412	413	416	412	420	420	413	413	424
15	396	383	401	381	388	404	398	383	395	365	394	371	397	396	401
16	396	399	401	401	403	404	405	404	401	400	399	407	406	405	400
17															
18	413	441	411	415	422	415	421	410	438	435	422	421	418	451	422
19	409	410	418	404	404	404	403	! ! !	403	413	421	408	403	409	406
20	404	403	413	416	378	411	407	411	413	408	400	405	411	407	413
21	404	420	402	406	411	404	417	411	420	408	421	426	409	416	407
Summary	403	404	403	403	395	402	402	400	406	403	409	407	407	407	406
Std Dev	14	15	17	16	20	20	15	20	15	17	28	18	10	19	16
Max	437	441	448	439	439	444	421	434	438	435	202	453	425	451	438
Min	379	371	380	361	349	356	369	355	374	365	369	371	390	356	364

	Day 11	Day 12	Day 13	Day 14	Day 14	Day 14	Day 14	Day 14	Day 14	Day 15	Day 16	Day 17	Day 18
Subj	Pre	Pre	Pre		2hr	4hr	6hr	8hr	12hr	Pre	Pre	Pre	Pre
									_				
01	389	389	404	396	404	404	402	406	404	372	393	385	401
02	428	433	418	413	464	416	450	422	452	434	422	411	428
03	405	402	388	405	402	382	403	403	408	386	410	399	410
04	401	400	400	401	402	398	404	399	402	399	402	396	403
05	405	403	416	417	395	396	409	370	401	391	387	394	416
90	360	359	359	346	350	382	374	389	381	377	387	369	388
07	401	423	412	408	407	446	440	485	424	408	418	403	411
80													
60	391	413	423	398	412	406	393	411	417	383	407	403	416
10	420	418	406	402	406	442	439	450	420	414	426	411	431
7	427	412	407	438	409	447	436	439	452	448	446	424	437
12	404	401	401	394	392	375	401	391	396	395	333	369	397
13	379	403	391	389	398	408	371	438	410	403	407	395	417
14	428	421	418	413	419	413	413	405	417	407	412	422	401
15	404	388	401	396	398	430	410	409	398	400	385	375	403
16	408	397	411	402	416	403	404	403	400	399	402	412	396
17													
18	416	419	440	430	425	428	425	420	428	426	437	424	431
19	407	408	393	416						403	399	415	405
20	409	425	415		405	410	410	426	424	409	417	411	411
21	416	419	409	400	411	406	416	403	410	415	419	405	412
Summary													
Average	405	407	406	404	406	411	411	415	414	404	409	401	411
Std Dev	17	17	17	19	21	21	21	26	18	19	17	17	13
Max	428	433	440	438	464	447	450	485	452	448	446	424	437
Min	360	359	359	346	350	375	371	370	381	372	385	369	388

	Day 19	Day 20	Day 21	Day 21	Day 21	Day 21	Day 21	Day 21	Day 22	Day 25	Day 29	Day 32	Day 36
Subj	Pre	Pre	Pre	2hr	4hr	6hr	8hr	12hr	Pre	Pre	Pre	Pre	Pre
6	427	404	400	396	409	400	421	402	423	416	450	449	407
02	434	432	428	393	419	466	505	450	455	462	432	479	441
03	408	389	409	387	390	409	406	418	404	405	408	412	389
04	399	402	402	402	409	406	411	408	427	420	414	404	402
05	407	400	390	385	403	380	415	389	395	395			
90	380	368	360	394	393	389	391	388	382	396	390	394	370
10	420	412	440	432	423	420	432	431	424	481	440	456	405
08													
60	374	421	368	427	427	440	433	416	438	438	410	409	432
10	440	420	415	403	433	451	429	446	416	405	432	414	377
11	431	458	451	454	441	450	483	438	440	474	441	438	
12	393	390	382	390	400	395	393	399	393	402	401	406	405
13	389	374	377	393	405	395	399	398	394	420	420	412	409
14	422	421	421	415	413	420	414	421	416	444	450	430	448
15	409	397	392	401	435	416	409	403	394	423	-418	402	407
16	403	411	404	391	421	414	410	411	400	420	426	434	424
17													
18	452	432	426	414	437	446	428	428	431	450	426	453	
19	411	408	396	404	407	405	405	405	410	408	411	442	420
20	402	409	410	411	417	417	432	416	424	415	448	426	427
21	426	413	411	406	407	397	407	429	409	409	413	415	417
Summary								!					
Average	412	408	404	405	415	417	422	416	414	425	424	426	411
Std Dev	21	21	24	17	15	24	29	18	19	26	17	23	21
Max	452	458	451	454	441	466	505	450	455	481	450	479	448
Min	374	368	360	385	390	380	391	388	382	395	390	394	370

Table 12d-5 ECG-QTc Interval

. 1	Day 39	Day 42	Day 45	Day 45	Day 45	Day 45	Day 42	Day 42	Day 42	Day 42	Day 42	Day 43	Day 44
fane	P. e	Pre	.5hr	1hr	2hr	3hr	4hr	6hr	8hr	10hr	12hr	AM	AM
07	403	407	406	307	107								
02	427	2	Set	201	402	456	397	369	425	398	406	407	412
5	121												
03	385	401	387	385	403	377	353	376	385	376	305	707	70,
04										5	393	104	401
05				; ; ;		-							
90	385	371	376	364	361	345	304	35.4	260	070	C		
20	453	424	427	428	423	420	716	440	205	343	352	382	352
90						750	2	4 5	174	430	417	364	442
60	419	415	470	387	391	417	413	413	740	707	700		
10	414	413	373	392	379	445	136	777	110	474	420	418	413
11	452	473	434	418	151	704	450	- 14	410	419	.418	430	415
12	408	707	007	210	100	184	4/6	4/8	471	425	450	434	427
i 6	100	101	400	3/8	398	402	405	353	369	399	404	391	411
5 5	403	383	408	415	411	374	390	375	375	383	395	396	422
<u>t</u> !	420												
15	404	406	393	410	392	414	389	408	404	402	420	115	104
16	427	438	420	407	403	433	408	416	414	140	120	2 4 5	104
17								2	+	2	014	9.14	422
18		475	462	456	434	464	454	420	115	201	007	100	
19	401	440	409	398	405	416	406	403	410	402	440	423	445
20	421	438	437	425	428	442	442	435	420	446	405	400	398
21	416	415	407	411	413	420	407	405	403	410	4423	414	411
Summary										2	-	- -	1
Average	770	007											
Ctd Dov	014	420	414	405	406	421	412	402	407	404	411	407	412
ia Dev	07	67	28	23	22	37	30	33	27	23	21	19	21
Max	453	4/5	470	456	451	491	476	478	471	430	450	434	445
MILL	385	3/1	373	364	361	345	353	353	362	343	352	364	352

Subj         AM         AM         AM         AM           Subj         Subj         AM         AM         AM           01         396         385         383         396           02         02         385         383         396           03         404         403         404         385           04         05         337         384         389         388           06         337         428         444         428           07         432         428         444         428           09         404         463         404         404           11         463         406         411         404           12         394         403         406         398         347           14         408         404         404         404           14         408         404         404         404           14         408         404         404         404           15         395         389         399         347           16         411         414         407         418           20         <		Day 45	Day 48	Day 51	Day 54	Day 57	Day 72	Day 180
01       396       385       383       396       3         02       404       403       404       385       3         04       05       3404       385       3         05       337       384       389       388       3         06       337       384       389       388       3         07       432       428       444       428       404         10       405       411       404       404       404         11       463       406       411       404       404         12       394       403       406       398       4         14       395       389       347       419         15       395       389       347       419         16       406       415       404       404         16       393       406       414       407         20       411       414       407         21       422       434       410       468         21       422       434       410       468         21       409       404       454       468	Subj	ΑM	AM	AM	AM	AM	AM	AM
01     396     383     396     3       02     03     404     403     404     385     3       04     05     337     384     389     388     3       06     337     384     389     388     3       07     432     428     444     428     4       09     404     404     428     4       10     406     411     404     4       11     463     406     414     404       12     394     403     406     398     347       15     395     389     389     347       16     389     389     347       16     440     424     404       17     40     415     367       20     411     407     468       21     422     434     410     468       21     422     434     410     468       21     422     434     410     468       21     422     434     410     468       20     29     29       21     463     434     454     468       463     434     454								
02       03     404     403     404     385     36       04     05     337     384     389     388     6       06     337     384     389     388     6       07     432     428     444     428     4       09     404     406     411     404     404       11     463     406     411     404     404       12     394     408     404     404     404       14     463     389     389     347       16     389     389     347     419       16     395     389     389     347       16     393     406     415     419       17     440     424     419       18     440     424     419       19     393     406     415     419       20     411     407     468       21     422     434     410     468       21     422     434     410     468       21     422     434     410     468       21     423     434     454     468       20     29     29	01	396	385	383	396	398	410	397
03     404     403     404     385     385       05     337     384     389     388     38       06     337     384     444     428     408       07     432     428     444     428     428       09     404     454     384     404       10     406     411     404     404       11     463     404     404     404       12     394     403     406     398       14     395     389     347       16     395     389     347       16     393     406     419       17     440     424     419       18     440     415     367       20     411     407     468       21     422     434     410     468       21     422     434     410     468       21     422     434     410     468       21     422     434     410     468       21     422     434     412     400       21     409     405     412     400       22     403     405     412     400	02							
04     904       05     337     384     389     388       06     337     428     444     428       07     432     428     444     428       08     404     454     384       10     406     411     404       11     463     406     414     404       12     394     403     406     398       13     421     408     404     404       16     395     389     347       16     410     424     419       16     440     424     419       17     442     419       18     440     424     407       20     411     412     414     407       21     422     434     410     468       10     393     406     415     400       10     409     405     412     400       10     31     15     20     29       10     33     434     454     468       10     463     434     454     468	03	404	403	404	385	397	401	406
05     337     384     389     388     38       07     432     428     444     428     60       08     404     454     384     60       10     406     411     404     404       11     463     403     404     404       12     394     403     404     404       14     395     389     347       15     395     389     347       16     440     424     419       17     440     424     419       18     440     424     407       20     411     412     414     407       20     411     412     414     407       21     424     416     468       20     411     412     414     407       21     422     434     416     468       21     422     434     412     400       31     15     20     29       Dev     33     434     454     468       337     384     383     347	04							
06         337         384         389         388         389         388         389         388         388         388         388         388         388         388         388         388         388         388         388         388         388         384         428         408         404         428         404	05							
07     432     428     444     428     6       08     404     454     384     7       10     406     411     404     404       11     463     406     411     404       12     394     403     406     398       13     421     408     404     404       14     421     404     404       15     395     389     347       16     410     424     419       18     440     424     414     407       20     411     412     414     407       21     422     434     410     468       21     422     434     412     400       10     393     406     412     400       10     403     405     412     400       10     31     15     20     29       10     463     434     454     468       10     463     434     454     468       10     463     434     454     468       10     468     434     454     468       10     468     434     454     468	90	337	384	389	388	385	375	402
08     404     454     384       10     406     411     404       11     463     406     411     404       12     394     403     406     398       13     421     408     404     404       14     395     389     347       16     440     424     419       17     440     424     419       19     393     406     415     367       20     411     412     414     407       21     422     434     410     468       10     393     406     415     400       21     422     434     410     468       10     409     405     412     400       10     31     15     20     29       10     337     384     383     347	20	432	428	444	428	424		424
09     404     454     384       10     406     411     404       11     463     406     414       12     394     403     406     398       13     421     408     404     404       14     395     389     347       15     389     399     347       16     7     419       17     440     424     419       19     393     406     414     407       20     411     412     414     407       21     422     434     410     468       21     422     434     412     400       mary     15     20     29       Dev     31     15     20     29       23     463     434     454     468       337     384     383     347	80							
10     406     411     404       11     463     406     398       12     394     403     406     398       13     421     408     404     404       14     395     389     347       15     395     389     347       16     440     424     419       18     440     424     419       19     393     406     414     407       20     411     412     414     407       21     422     434     410     468       21     422     434     412     400       mary     15     20     29       Dev     31     15     20     29       337     384     383     347	60		404	454	384	433	367	388
11     463       12     394     403     406     398       13     421     408     404     404       14     395     389     347       15     395     389     347       16     440     424     419       18     440     424     419       19     393     406     414     407       20     411     412     414     407       21     422     434     410     468       mary     15     20     29       Dev     31     15     20     29       337     384     383     347	10		406	411	404			
12     394     403     406     398       13     421     408     404     404       14     395     389     347       15     395     389     347       16     440     424     419       18     440     424     419       19     393     406     415     367       20     411     412     414     407       21     422     434     410     468       Imary     405     405     412     400       Dev     31     15     20     29       337     384     383     347	11	463						
13     421     408     404     404       14     395     389     347       15     395     389     347       16     6     424     419       18     440     424     419       19     393     406     414     407       20     411     412     414     407       21     422     434     410     468       mary     6     405     412     400       nage     409     405     412     400       Dev     31     15     20     29       337     384     383     347	12	394	403	406	398	415	360	411
14       395       389       347         16       395       389       347         16       46       424       419         18       440       424       419         19       393       406       415       367         20       411       412       414       407         21       422       434       410       468         mary       7       405       412       400         Dev       31       15       20       29         337       384       383       347	13	421	408	404	404	406	412	394
15     395     389     347       16     46     424     419       18     440     424     419       19     393     406     415     367       20     411     412     414     407       21     422     434     410     468       Imary     7     409     405     412     400       Dev     31     15     20     29       337     384     383     347	14							
16       17       18     440     424     419       19     393     406     415     367       20     411     412     414     407       21     422     434     410     468       mary     409     405     412     400       rage     409     405     412     400       Dev     31     15     20     29       463     434     454     468       337     384     383     347	15	395	389	399	347	383	432	397
17       18     440     424     419       19     393     406     415     367       20     411     412     414     407       21     422     434     410     468       mary     409     405     412     400       Dev     31     15     20     29       463     434     454     468       337     384     383     347	16						399	416
18         440         424         419           19         393         406         415         367           20         411         412         414         407           21         422         434         410         468           Imary         rage         409         405         412         400           Dev         31         15         20         29           337         384         454         468           337         384         383         347	17							
19     393     406     415     367       20     411     412     414     407       21     422     434     410     468       Imary     409     405     412     400       Dev     31     15     20     29       463     434     454     468       337     384     383     347	18	440				415	416	
20     411     412     414     407       21     422     434     410     468       mmary     409     405     412     400       Dev     31     15     20     29       463     434     454     468       337     384     383     347	19	393	406	415	367	401	403	
21         422         434         410         468           Imary         rage         409         405         412         400           Dev         31         15         20         29           463         434         454         468           337         384         383         347	20	411	412	414	407	382	409	
Imary     409     405     412     400       Dev     31     15     20     29       463     434     454     468       337     384     383     347	21	422	434	410	468	411	446	
Imary       rage     409     405     412     400       Dev     31     15     20     29       463     434     454     468       337     384     383     347				# B 200				
rage         409         405         412         400           Dev         31         15         20         29           463         434         454         468           337         384         383         347	Summary							
Dev         31         15         20         29           463         434         454         468           337         384         383         347	Average	409	405	412	400	404	403	404
463     434     454     468       337     384     383     347	Std Dev	31	15	20	29	16	25	11
337 384 383 347	Max	463	434	454	468	433	446	424
	Min	337	384	383	347	382	360	388

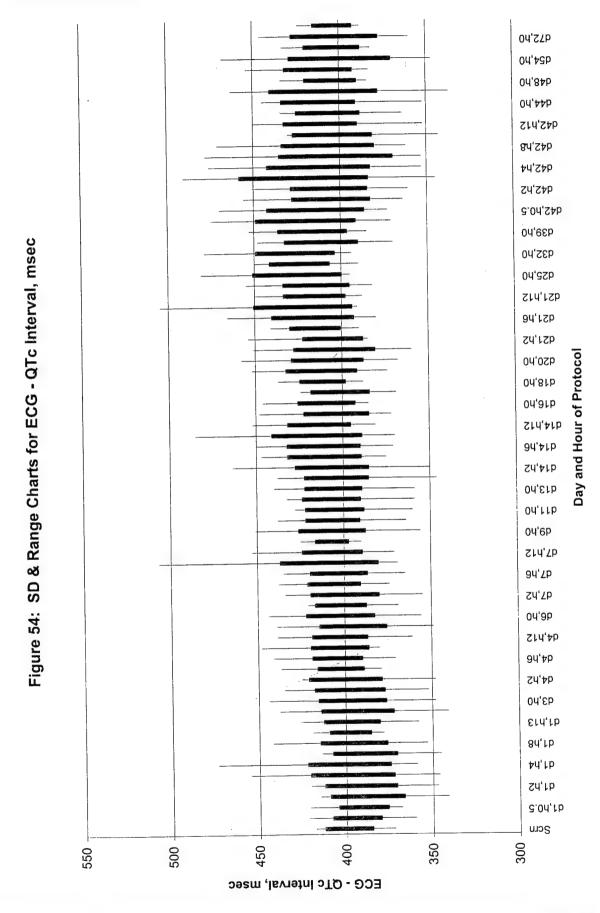


Table 13a-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 01

Day	Time	QTc	Halo +	<u> Halo -</u>	Metab +	<u>Metab -</u>
1	PRE	399				
1	.5HR	397				
1	1HR	403				
1	2HR	384				
1	3HR	371				16.4
1	4HR	407	10.9			20.9
1	6HR	396	15.1			18.5
1	8HR	393	15			27
1	10HR	402	17.2	10.4		27.7
1	12HR	391	12.9			22.3
2	PRE	381				23.2
3 .	PRE	392	10.9			29.5
4	PRE	389	32			36.4
4	2HR	386	30.6	22.8		38.4
4	4HR	398	73.2	41.7		44.3
4	6HR	409	47.9	37.7		84.7
4	8HR	382	38.9	17.1		52.4
4	12HR	399	54.6	30.7		64.7
5	PRE	375	25.9	22.5	17.2	76.2
6	PRE	393	37.9	16.5	20.8	108
7	PRE	369	43.4	18.2	26.1	128
7	2HR	411	55.8	33.7	16.8	74.1
7	4HR	402	93.4	59.3	32.6	153
7	6HR	399	131	73.1	37.2	202
7	8HR	389	144	79.6	74	203
7	12HR	403	101	50.6	56.4	149
8	PRE	405	57.6	27.4	62.7	183
9	PRE	398	77.2	33.1	72.6	221
10	PRE	403	68.9	28	87.8	282
11	PRE	389	50.6	20.4	54.2	227
12	PRE	389	51.3	20.8	45.3	325
13	PRE	404	55.9	25.4	44.1	334
14	PRE	396	58.6	25.5	29.7	311
14	2HR	404	65.6	30.3	22.8	211
14	4HR	404				
14	6HR	402	73.3	37.4	36.4	324
14	8HR	406	68.2	36.2	32.2	318
14	12HR	404	80.8	35	35	260

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Table 13a-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 01

Day	<u>Time</u>	QTc	Halo +	Halo -	Metab +	Metab -
15	PRE	427	68.3	32.8	41.1	409
16	PRE	404	80.6	36.6	32.6	361
17	PRE	400	84.5	37.4	38.8	497
18	PRE	396	92.8	41	59.1	532
19	PRE	.409	94.6	51.7	51	435
20	PRE	400	127	70	59.1	496
21	PRE	421	81	40.6	32.2	290
21	2HR	402	96.8	51.7	30.5	251
21	4HR	423	52.5	24.4	38.2	295
21	6HR	416	70.5	31.1	54.4	386
21	8HR	450	169	93.7	51.2	335
21、	12HR	449	82.4	35.8	33.6	385
22	PRE		59.2	25.9	49	329
25	PRE	407	54.6	26.7	29.3	289
29	PRE	403	54.4	23.7	30.9	355
32	PRE	407	109	50.2	52.8	484
33	PRE	405	121	55.8	63.5	506
36	PRE	406	112	56	53	468
39	PRE	405	134	68	67	535
42	PRE	456	160	88.2	66.8	687
42	.5HR	397	157	91.4	53.8	565
42	1HR	369	181	106	59.1	576
42	2HR	425	193	110	61.1	538
42	3HR	398	153	93.7	32.6	339
42	4HR	406	168	90.5	77.7	633
42	6HR	407	64	35.2	29.7	224
42	8HR	412	67.9	27.6	39	424
42	10HR	396	46.3	18.8	37.8	508
42	12HR	385	46.7	18.4	15.8	340
43	AM	383	34.9	12.7		255
44	AM	396	29.9	10.4		.175
45	AM	398	32.1	12.3		128
48	AM	410	33.8	15.2	27.7	243
51	AM	397				16.4
54	AM					
57	AM					
72	AM					
180	AM					

Table 13b-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 02

Day	Time	QTc	Halo +	Halo -	Metab +	<u>Metab -</u>
1	PRE	404				
1	.5HR	409				
1	1HR	405				
1	2HR	387				
1	3HR	419				
1	4HR	410			•	
1	6HR	382	31.5	22.7		
1	8HR	442	25	35.1		
1	10HR	411	29.5	20.1		
1	12HR	414	20.1	12.3		
2	PRE	399	13			
3 、	PRE	408				
4 `	PRE	393	30.4	16.5		31.5
4	2HR	413	37.7	37.1		60.6
4	4HR	408	79.1	55.5	19	61.2
4	6HR	417	63.5	38.7		63.6
4	8HR	413	46.4	26.3		34.7
4	12HR	413	33.1	18.1		53
5	PRE	406	26.9	16.6		55.8
6	PRE	412	29.7	16.6		77.7
7	PRE	409	30.3	14.8	18	84.4
7	2HR	401	31.2	19.2	16.8	71.8
7	4HR	408	78.4	53.7	29.7	121
7	6HR	419	72.8	43	17.6	78.1
7	8HR	507	67.9	41.4	23.3	91.8
7	12HR	420	48.6	25.9	29.3	100
8	PRE	425	30.3	15.7	20.2	93.8
9	PRE	419	50.7	27	23.9	101
10	PRE	406	61	27.8	31.1	140
11	PRE	428	64.4	32.7	34.3	174
12	PRE	433	69.7	33.2	36.6	174
13	PRE	418	79.8	43.4	36	194
14	PRE	413	52.8	25	32.9	161
14	2HR	464	75.5	46.7	29.7	160
14	4HR	416	83.9	51.8	36	188
14	6HR	450	107	62.5	39.8	229
14	8HR	422	123	71.9	42.8	232
14	12HR	452	84.2	46	36	201

Table 13b-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 02

<u>Day</u>	Time	QTc	Halo +	Halo -	Metab +	Metab -
15	PRE	434	104	59.8	39.4	218
16	PRE	432	125	66.4	39.6	219
17	PRE	428	83.1	40.8	33.9	193
18	PRE	393	139	99.5	36.6	209
19	PRE	419	273	240	43.4	263
20	PRE	466	369	298	52.3	274
21	PRE	505	319	239	59.7	336
21	2HR	450	263	179	62	372
21	4HR	455	127	75.4	35.6	243
21	6HR	462	108	60.4	53.3	289
21	8HR	432	195	122	48.9	292
21,	12HR	479	111	60.6	74.9	432
22	PRE		65.9	31.2	57.9	431
25	PRE	441	60.8	33.2	60.8	459
29	PRE	427				
32	PRE					
33	PRE					
36	PRE			•		
39	PRE					
42	PRE					
42	.5HR					
42 42	1HR					
42	2HR 3HR					
42	4HR					
42	6HR					
42	8HR					
42	10HR					
42	12HR					
43	AM			and the second		
44	AM		. mark	, a marin		
45	AM					
48	AM					
51	AM					
54	AM					
57	AM					
72	AM					
180	AM					

Table 13c-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 04

Day	Time	QTc	Halo +	Halo -	Metab +	Metab -
1	PRE	383				
1	.5HR	389				
1	1HR	373				
1	2HR	376	16.4	12.6		
1	3HR	398	52.6	37.9		18.6
1	4HR	395	35.1	20.5		20.1
1	6HR	395	71.1	32.8	20.9	46
1	8HR	396	44.5	19	18.5	47.1
1	10HR	389	18.9			33.9
1	12HR	397	29.6	10.2		40.7
2	PRE	388	14.6		18	38
3 \	PRE	401	25.6	10.7	20.1	69.5
4	PRE	411	79.9	41.8	30.3	96.8
4	2HR	423	308	356	62	199
4	4HR	398	348	329	40.5	125
4	6HR	398	446	310	54.8	165
4	8HR	417	292	191	55.3	192
4	12HR	404	246	146	51.5	181
5	PRE	399	107	57.9	65.8	211
6	PRE	411	132	74.4	53.7	234
7	PRE	406	85.6	38.6	52.1	260
7	2HR	398	109	60.3	45.9	242
7	4HR	402	183	107	64.7	314
7	6HR	396	141	72.5	44.6	207
7	8HR	400	111	55.7	32.2	149
7	12HR	402	109	49.7	28.2	134
8	PRE	398	97.9	35	20.1	92.4
9	PRE	400	69.2	30	24.4	138
10	PRE	398	70.6	29.8	26.3	138
11	PRE	401	68.9	30.3	30.3	175
12	PRE	400	73.1	32.2	21.5	135
13	PRE	400	74.5	28.1	23.9	121
14	PRE	401	124	52.7	31.4	200
14	2HR	402	110	50.2	32.5	160
14	4HR	398	205	104	33	174
14	6HR	404	234	119	39.5	193
14	8HR	399	166	79.4	27.9	124
14	12HR	402	117	51.6	22.5	114

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Table 13c-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 04

				•		
Day	<u>Time</u>	QTc	Halo +	Halo -	Metab +	<u>Metab -</u>
15	PRE	399	66.4	28.1	40.8	264
16	PRE	402	81.4	31.5	46.7	313
17	PRE	402	97.7	38.6	45.4	283
18	PRE	402	137	62.7	67.4	449
19	PRE	409	195	113	41.1	303
20	PRE	406	224	122	45.1	285
21	PRE .	411	190	95.4	67.1	368
21	2HR	408	146	63.9	57.2	330
21	4HR	427	92.8	36.9	43.8	296
21	6HR	420	84	32.8	59.3	349
21	8HR	414	75.9	28.5	60.4	318
21\	12HR	404	105	40.2	54	411
22	PRE		1			
25	PRE	402	59.1	23.5	45.4	259
29	PRE		52.2	19.2	31.4	219
32	PRE					
33	PRE					
36	PRE					
39	PRE					
42	PRE					
42	.5HR					
42	1HR					
42	2HR					
42	3HR					
42	4HR					
42	6HR					
42	8HR					
42	10HR					
42	12HR					
43	AM			and the second		
44	AM		and the second			
45	AM		.* "			
48	AM					
51	AM					
54	AM					
57	AM					
72	AM					

Table 13d-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 05

				•		
<u>Day</u>	Time	QTc	Halo +	Halo -	Metab +	Metab -
1	PRE	390				
1 .	.5HR	376	•			
1	1HR	394	11.4	10.7		
1	2HR	407	19.9	17.2		
1	3HR	372	19.5	15.1		· 15
1	4HR	373	15.1			15
1	6HR	387	34.7	18.6		29.3
1	8HR	383	20.3	10.3		18.7
1	10HR	404	37.4	16.3		47.3
1	12HR	404	14.5			18.4
2	PRE	388				29.3
3、	PRE	383	14.3			54.2
4	PRE	403	20.1	13.1		46.4
4	2HR	397	22.2	15.1		40.5
4	4HR	381	78.6	44.2		88
4	6HR	410	50.2	27		70
4	8HR	402	67.3	32.6	22.4	98.6
4	12HR	391	52.6	25.5	20.7	97
5	PRE	382	26.7	11.7	28.8	118
6	PRE	415	26.1		16.2	100
7	PRE	411	27.2	11.2	17.9	136
7	2HR	374	19.4	11.4	15.6	79.3
7	4HR	395	43.3	23.9	26	175
7	6HR	399	58.7	31.8	26	199
7	8HR	369	37.8	18.6	18.7	139
7	12HR	413	31.9	14.8		83
8	PRE	400	28.4	12.3	17.9	131
9	PRE	389	33	15.4	27.4	179
10	PRE	396	35.8	14	23.2	155
11	PRE	405	27.8	11.4	22.1	161
12	PRE	403	34.8	14.9	19.8	186
13	PRE	416	35.3	16	26.6	283
14	PRE	417	51.6	26.9	32.2	304
14	2HR	395	56.4	35.1	19.8	192
14	4HR	396	116	66.5	55.4	453
14	6HR	409	74	41.3	36.1	274
14	8HR	370	67.4	35.2	29.4	235
14	12HR	401	46.4	23	29.1	198

Table 13d-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 05

Day	<u>Time</u>	QTc	Halo +	<u>Halo -</u>	Metab +	<u>Metab -</u>
15	PRE	407	50	23.1	29.1	297
16	PRE	400	39.4	18.2	30.5	. 331
17	PRE	390	40.5	19	39.7	340
18	PRE	385	75.1	46.2	31.9	333
19	PRE	403	79.3	41.9	32.2	312
20	PRE	380	95.3	55.1	48.4	438
21	PRE	415	62.2	32.9	31.9	260
21	2HR	389	54.3	28.7	47.3	401
21	4HR	395	35.9	16.8	24.9	246
21	6HR	395	31.3	14.8	29.4	32.1
21	8HR					
21\	12HR					
22	PRE		/			
25	PRE					
29	PRE					
32	PRE					
33	PRE					
36	PRE					
39	PRE					
42	PRE					
42	.5HR					
42	1HR					
42	2HR					
42	3HR					
42	4HR					
42	6HR					
42	8HR					
42	10HR					
42	12HR	•				
43	AM		44.2	and the second		20.9
44	AM		14.2	•		20.9
45	AM					
48	AM		•*			
51	AM					
54	AM					
57	AM					
72	AM					
180	AM					

Table 13e-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 07

Day	Time	QTc	Halo +	<u>Halo -</u>	Metab +	<u>Metab -</u>
1	PRE	398				
1	.5HR	378				
1	1HR	403				
1	2HR	420	10.8			
1	3HR	409	14.9	10.6		
1	4HR	408	28.4	18.7		15.8
1	6HR	364	23.3	15.6		15.8
1	8HR	368	23.5	15.6		17.6
1	10HR	396	20.9	14.1		18.3
1	12HR	406	17.5	12.5		
2	PRE	388	10.3	10.6		
3 \	PRE	391	50.8	36.6		38.9
4	PRE	410	75.4	48.3	22.6	71.8
4	2HR	388	342	326	34.6	92.8
4	4HR	423	572	570		110
4	6HR	414	456	343	50.3	135
4	8HR	413	290	223	40.2	131
4	12HR	417	235	158	39.3	101
5	PRE	403	88.4	56.5	22.9	93.8
6	PRE	410	73.3	45	31.7	132
7	PRE	414	149	85.6	80.9	211
7	2HR	398	186	128	40.9	202
7	4HR	435	184	127	28.6	106
7	6HR	419	227	152	40.6	150
7	8HR	411	229	152	42.8	135
7	12HR	453	180	117	42.4	138
8	PRE	418	108	67.3	24.8	113
9	PRE	418	89.1	56	21.3	102
10	PRE	414	105	58.8	27	132
11	PRE	401	121	71.5	33.9	138
12	PRE	423	112	63.8	25.7	123
13	PRE	412	145	74.5	27.9	128
14	PRE	408	142	75.9	27.9	174
14	2HR	407	142	84.8	27	163
14	4HR	446	265	161	32	138
14	6HR	440	264	154	41.5	180
14	8HR	485	213	115	33	143
14	12HR	424	232	124	43.7	187

Table 13e-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 07

Day	<u>Time</u>	QTc	Halo +	Halo -	Metab +	Metab -
15	PRE	420	150	72.4	32.7	166
16	PRE	412	160	79	36.1	174
17	PRE	440	226	110	54.8	257
18	PRE	432	272	156	52.5	246
19	PRE	423	292	152	61.7	279
20	PRE	420	312	171	62	260
21	PRE	432	258	130	48.4	211
21	2HR	431	250	121	50.3	212
21	4HR	424	170	80.8	41.8	205
21	6HR	481	162	73.2	42.4	184
21	8HR	440	123	57	38.7	177
21\	12HR	456	155	78	51.6	297
22	PRE		93.9	55.7	34.9	189
25	PRE	405	116	60.2	47.5	267
29	PRE	453	206	97.6	61.1	312
32	PRE	424	182	80.6	79.7	402
33	PRE	427	123	56.2	61.1	246
36	PRE	428	150	71.5	63.3	289
39	PRE	423	151	79.1	55.4	244
42	PRE	420	165	81.7	47.8	277
42	.5HR	416	204	106	59.8	382
42	1HR	419	172	83.2	47.2	350
42	2HR	421	202	95.6	63.3	408
42	3HR	430	224	92.9	56.3	335
42	4HR	417	201	88.5	53.8	353
42	6HR	364	175	72.7	60.1	382
42	8HR	442				
42	10HR	432	68.6	45.2	20.7	217
42	12HR	428				
43	AM	444	42	18.7		97.3
44	AM	428	46.6	21.1		48
45	AM	424	49.9	21.6		51.5
48	AM		29.2	23.4		17.2
51	AM	424				
54	AM					
57	AM					
72	AM					
180	AM					

Table 13f-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 08

Day	Time	QTc	Halo +	Halo -	Metab +	<u>Metab</u> -
1	PRE	372				
1	.5HR	371				
1	1HR	380	15.9	13.9		
1	2HR	380	37.6	32.9		
1	3HR	366	65.3	50.3		33.1
1	4HR	371	78.9	57.7	16.4	35.7
1	6HR	401	162	113	18.8	50.5
1	8HR	383	102	69.7	21.5	51.5
1	10HR	379	61.9	41.7		37.1
1	12HR	383	62.1	40.3		41.4
2	PRE	383	24.1	13.6		33.4
3 \	PRE	384	45.5	21.7		44.1
4	PRE	377	33.2	19.9	17.3	76.5
4	2HR	372	67.3	49.8	26	100
4	4HR	388	152	113	47.2	199
4	6HR	404	114	75.4	27.2	110
4	8HR	382	103	66.6	33.9	129
4	12HR	407	136	76.7	37.8	132
5	PRE	385	40.9	22.4	26.9	115
6	PRE	385	51.8	25.1	31.8	139
7	PRE	387	74.3	41.7	46	245
7	2HR	398	94.6	63	46.3	205
7	4HR	409	132	85.4	61.4	310
7	6HR	394	142	83.8	74.1	351
7	8HR	398	136	79.3	59.9	296
7	12HR	384	111	62.1	54.2	286
8	PRE	402	63.1	31.7	38.4	211
9	PRE	417	101	53.4	59	283
10	PRE	390	76.4	40.8	65	363
11	PRE			Section 2		
12	PRE			some man		
13	PRE					
14	PRE					
14	2HR					
14	4HR					
14	6HR					
14	8HR	-				
14	12HR					

Table 13f-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 08

Day	Time	QTc	Halo +	<u>Halo -</u>	Metab +	Metab -
15	PRE					
16	PRE					
17	PRE	_				
18	PRE	•				
19	PRE		•			
20	PRE					-
21	PRE					
21	2HR			. *		
21	4HR					
21	6HR					
21	8HR					
21 v	12HR					
22	PRE		/			
25	PRE					
29	PRE					
32	PRE					
33	PRE					
36	PRE					
39	PRE					
42	PRE					
42	.5HR					
42	1HR					
42	2HR					
42	3HR					
42	4HR					
42	6HR					
42	8HR					
42	10HR					
42	12HR					
43 44	AM			and the second s		
45	AM AM			•		
48	AM					
51	AM	•	•			
54	AM					
57	AM					
72	AM					
180	AM					
100	CIVI					

Table 13g-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 09

Day	Time	QTc	Halo +	<u>Halo -</u>	Metab +	Metab -
1	PRE	395				
1	.5HR	374				
1	1HR	375		•		
1,	2HR	359	12.6	11.2		
1	3HR		70.9	61.8		
1	4HR	386	152	132		20.4
1	6HR	401	122	102		24.3
1	8HR	391	103	81.4		27.6
1	10HR	381	65	47		26.6
1	12HR	391	53.8	37.4		23
2	PRE	368	21	15.2		24
3、	PRE	393	20.6	13.4		33.2
4	PRE	416	24.2	16.5		44.1
4	2HR	384	42.8	29.5		51.7
4	4HR	403	109	73.3	23.1	78.5
4	6HR	391	95.8	63.6	15.2	64.3
4	8HR	385	60.5	42.5	16.6	55
4	12HR	409	38.6	24.1	15.7	44.1
5	PRE	384	27	17.5	17.8	85.8
6	PRE	397	36.7	20.5	15.2	62.6
7	PRE	372	40.9	23.4	21.7	111
7	2HR	358	36.1	21.4	18.7	79.8
7	4HR	389	122	86.7	41.5	194
7	6HR	407	122	87	33.2	176
7	8HR	396	94.1	60.8	28.5	125
7	12HR	406	64.8	43.5	35.3	164
8	PRE	399	44.6	28	29.1	158
9	PRE	428	57.4	35.1	29.7	138
10	PRE	411	51.6	29	25.5	153
11	PRE	391	60.3	36.9	45.3	240
12	PRE	413	65.4	43.4	36.8	228
13	PRE	423	58.9	33.1	29.1	180
14	PRE	398	53.1	30	27.3	174
14	2HR	412	74.7	49	27	176
14	4HR	406	166	124	56.9	382
14	6HR	393	162	119	51.9	337
14	8HR	411	166	130	73.2	423
14	12HR	417	132	92.1	63.7	400

Table 13g-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 09

Day	Time	QTc	Halo +	<u> Halo -</u>	Metab +	<u>Metab</u> -
15	PRE	374	59.6	35.5	34.4	252
16	PRE	421	62.3	37.8	42.1	289
17	PRE	368	68.6	41.2	31.7	264
18	PRE .	427	81.9 .	54.1	39.1	300
19	PRE	427	164	120	53.3	386
20	PRE	440	234	166	47.7	312
21	PRE	433	221	155	66.4	384
21	2HR	416	111	73.3	59.8	386
21	4HR	438	91.2	55.6	54.5	393
21	6HR	438	42.5	25.4	45.6	313
21	8HR	410	58.1	36.8	42.4	364
21、	12HR	409	86.4	60.2	42.4	282
22	PRE					
25	PRE	432	42	20.6	30.2	227
29	PRE	419	58.4	32.8	44.8	263
32	PRE	415	56.5	34.3	35	251·
33	PRE	470	54.9	29.4	19.9	147
36	PRE	387	46	29.9	19	126
39	PRE	391	104	68.9	30.8	227
42	PRE	417	81	50.9	36.8	255
42	.5HR	413	88	52.6	19.3	139
42	1HR	413	120	73.2	37.1	256
42	2HR	419	90.9	49.6	35	181
42	3HR	424	72.9	43.2	32	207
42	4HR	420	70.8	40.4	32.3	217
42	6HR	418	54.9	29.4	30.5	222
42	8HR	413	37.3	21.1	28.2	205
42	10HR					
42	12HR	404	25.8	15		113
43	AM	454	17.8	parameter.		73.5
44	AM	384	22	12.2		73.5
45	AM	433	20,1	10.7		42.2
48	AM	367	13.2	56.5		22
51	AM	388		44.8		
54	AM					
57	AM					
72	AM					
180	AM					

Table 13h-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 10

Day	Time	QTc	Halo +	<u>Halo -</u>	Metab +	<u>Metab -</u>
1	PRE	398				
1	.5HR	392		•		
1	1HR	400				
1	2HR	402	19.6	28.8		
1	3HR	409	63.2	72.8		29.3
1	4HR	399	103	88.5	15.1	31
1	6HR	395	86.9	66	16.5	-33.7
1	8HR	396	75.5	61.7	16.7	33.7
1	10HR	406	58.1	56.2		32.2
1	12HR	400	43.5	47.6		23
2	PRE	377	23.3	21.4		20.4
3、	PRE	404	20	12.4		33.5
4	PRE	404	28.4	23.3	18.4	45.9
4	2HR	413	32.9	30	19.2	51.8
4	4HR	412	70.9	56.9	19.4	70.1
4	6HR	405	63.2	46.7	20.2	66.8
4	8HR	412	49.2	37.1	24.8	73.1
4	12HR	414	34.1	23	24.2	68.7
5	PRE	412	24.3	15.4	21.7	71.4
6	PRE	409	20.5	16.5	19.2	71
7	PRE	410	19.8	14.2		51
7	2HR	419	43.5	37.5		60
7	4HR	405	63.3	54.6	19	79
7	6HR	399	65.4	63.9	18.8	70.3
7	8HR	418	51.7	43.9	16.5	67.4
7	12HR	406	31.4	25.1		54.3
8	PRE	414	29.1	21.4	15.3	61.1
9	PRE	414	81.7	50.4	28.8	104
10	PRE	438	62	45.4	22.1	103
11	PRE	420	45.1	32.1	33.5	137
12	PRE	418	58.1	34.7	22.1	90.6
13	PRE	406	47.6	28	20.3	81.9
14	PRE	402	56.2	45.2	18	73.7
14	2HR	406	167	140	20.9	96.9
14	4HR	442	334	359	36.8	132
14	6HR	439	259	192	40.8	150
14	8HR	450	283	196	48.3	156
14	12HR	420	178	109	40.2	152

Table 13h-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 10

Day	Time	QTc	Halo +	Halo -	Metab +	Metab -
15	PRE	440	98.6	57.7	45.3	207
16	PRE	420	83.6	45.4	41.4	202
17	PRE	415	65.9	37.4	33.5	200
18	PRE	403	224	200	43.7	245
19	PRE	433	359	333	47.4	209
20	PRE	451	278	192	55.5	213
21	PRE	429	254	172	61.1	255
21	2HR	446	173	109	44.7	200
21	4HR	416	95.1	51.1	38.5	212
21	6HR	405	98.4	62.7	46.4	232
21	8HR	432	87.9	53.5	36	216
21、	12HR	414	136	82.1	43.5	215
22	PRE		,			
25	PRE	377	118	64.5	57.4	287
29	PRE	414	94.6	47.4	50.3	301
32	PRE	413	67.8	35.6	26.1	178
33	PRE	373	83.7	44	31.7	236
36	PRE	392	54.5	37.8	19.8	151
39	PRE	379	165	124	54.9	403
42	PRE	445	435	468	44.1	481
42	.5HR	436	318	261	48.7	324
42	1HR	411	303	234	68.2	431
42	2HR	410	204	150	47.4	326
42	3HR	419	259	184	55.9	340
42	4HR	418	203	128	56.3	314
42	6HR	430	127	80.5	60.3	420
42	8HR	415	58.9	33.3	31.5	255
42	10HR					400
42	12HR	406	43.2	37		198
43	AM	411	36.1	30.9		168
44	AM	404	24.7	23.4		106
45	AM					
48	AM		-			
51	AM					
54	AM					
57	AM					
72	AM					
180	AM					

Table 13I-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 11

Day	<u>Time</u>	QTc	Halo +	<u>Halo -</u>	Metab +	<u>Metab -</u>
1	PRE	412				
1	.5HR	421				
1	1HR	414	17.9	16.9		
1	2HR	409	34.8	27.4		
1	3HR	455	31.2	23		
1	4HR	474	80	50.9	24.2	45.7
1	6HR	414	42.2	24.8		20.8
1	8HR	414	41	22.9	17.2	31
1	10HR	415	39.9	23	16.9	31.3
1	12HR	416	28.4	16.5	17.9	35.7
2	PRE	423	17.1		16.2	31.5
3、	PRE	444	83.1	47.5	44	100
4	PRE	435	44.8	22.1	40.9	96.3
4	2HR	425	63.4	44.6	41.4	95
4	4HR	437	134	96.9	59.7	164
4	6HR	416	103	69.9	53.8	137
4	8HR	448	99.4	65.6	51.9	137
4	12HR	439	79.3	48.7	45.1	125
5	PRE	439	48.5	29.5	41.6	103
6	PRE	444	57.6	34.4	46.8	139
7	PRE	421	32.5	21.6	29.8	84.8
7	2HR	434	55.4	42.4	30.6	101
7	4HR	424	109	79.1	47.5	142
7	6HR	429	85.8	56.7	36.2	103
7	8HR	437	75	49.1	33.6	94.8
7	12HR	410	59.3	37.5	32.9	93.4
8	PRE	424	33.3	20	32	96.9
9	PRE	423	43.5	25.8	35.7	126
10	PRE	430	34.1	21.1	25.6	86.6
11	PRE	427	41.7	26.2	26.6	97.4
12	PRE	412	41.3	23.7	27.7	102
13	PRE	407	58.5	36.4	42.1	167
14	PRE	438	43.9	31.3	32	135
14	2HR	409	67.2	52.7	25.9	102
14	4HR	447	216	205	41.1	157
14	6HR	436	302	264	47.5	167
14	8HR	439	324	269	41.8	133
14	12HR	452	187	159	50.3	155

Table 13I-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 11

<u>Day</u>	Time	QTc	Halo +	Halo -	Metab +	Metab -
15	PRE	431	73.9	41.7	44.4	193
16	PRE	458	60.5	30.9	33.6	137
17	PRE	451	65.6	34.6	27.7	130
18	PRE	454	67.1	40.4	31.3	118
19	PRE	441	86.2	58.9	27	98.7
20	PRE	450	127	87.4	39.3	195
21	PRE	483	96.8	65.6	32.7	131
21	. 2HR	438	81.4	50.8	39.3	176
21	4HR	440	56.1	29.9	27.5	120
21	6HR	474	54.1	29.1	32.9	125
21	8HR	441	46.4	25.8	28.9	150
21	12HR	438	63.4	37.8	35.7	154
22	PRE		,			
25	PRE					
29	PRE	452	72.3	42	58.1	201
32	PRE	473	54.5	30.1	39.5	201
33	PRE	434	49.4	27.3	39.7	166
36	PRE	418	60.3	39.6	48.2	203
39	PRE	451	142	115	66.1	319
42	PRE	491	176	127	65.6	307
42	.5HR	476	205	147	74	390
42	1HR	478	135	93.6	49.8	233
42	2HR	471	111	67.8	51.9	230
42	3HR	425	155	98.2	77.6	367
42	4HR	450	92.9	55.2	46.8	251
42	6HR	434	54.2	31.5	45.4	225
42	8HR	427	43.6	24.3	35.7	204
42	10HR	463	38.5	22.3	24.4	162
42	12HR					
43	AM			and the second of the second o		
44	AM					
45	AM		ar en			
48	AM					
51	AM					
54 57	AM					
57	AM					
72	AM					
180	AM					

Table 13j-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 14

<u>Day</u>	Time	QTc	Halo +	Halo -	Metab +	<u> Metab -</u>
1	PRE	403				
1	.5HR	406				
1	1HR	399			•	
1	2HR	421	11.2			
1	3HR	416	24.8	13.7		
1	4HR	389	44	19.5		17.1
1	6HR	385	49.2	22.3		15.6
1	8HR	426	50.4	20.7		19.1
1	10HR	419	50.7	19.7		22.6
1	12HR	426	34.5	12.7		22.3
2	PRE	420	18.9	,		18.8
3、	PRE	403	16.9			19.4
4	PRE	408	28.4			33.3
4	2HR	412	39.8	19.2		38.6
4	4HR	410	48.7	23.7	15.8	59.8
4	6HR	403	68	29.1	15.8	59.5
4	8HR	407	44.8	15		33.6
4	12HR	398	38.6	13.2		45.8
5	PRE	404	28.7	10.3		29.6
6	PRE	419	47.1	17.3		83.3
7	PRE	412	52.5	17.6		53.4
7	2HR	413	40.9	23.9		59.2
7	4HR	416	66	27		70.5
7	6HR	412	73.3	29.6	18.2	84.7
7	8HR	420	53.3	19.9		63
7	12HR	420	45.6	13.6		51.1
8	PRE	413	39.2	12.9		55.1
9	PRE	413	50.3	16.9	15.6	72
10	PRE	424	96.8	33.6	26.5	116
11	PRE	428	99.7	33.3	20.5	97.8
12	PRE	421	99.5	30	28.6	155
13	PRE	418	71.6	23.9	25.2	196
14	PRE	413	73.3	22.8	28.4	195
14	2HR	419	99.8	40.4	34.4	298
14	4HR	413	168	82.6	50	320
14	6HR	413	176	87.9	44	317
14	8HR	405	182	84	55.5	374
14	12HR	417	104	42	39.6	299

180

AM

Table 13j-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 14

Day	<u>Time</u>	QTc	Halo +	<u>Halo -</u>	Metab +	<u>Metab -</u>
15	PRE	422	91.6	29.1	35.2	320
16	PRE	421	90	27.6	31.2	303
17	PRE	421	60.4	18.4	20	199
18	PRE	415	156	69.5	37.8	336
19	PRE	413	154	65.1	31.2	233
20	PRE	420	140	62.2	29.9	244
21	PRE	414	99.8	40.9	23.1	176
21	2HR	421	86.2	29.1	22.1	161
21	4HR	416	74.7	22.6	29.4	292
21	6HR	444	126	38.3	32.8	339
21	8HR	450	272	91.3	56.3	460
21	12HR	430	215	72.6	38	311
22	PRE					
25	PRE	448	206	61.6	48.5	401
29	PRE	438	223	70.6	54.5	405
32	PRE					
33	PRE					
36	PRE					
39	PRE					
42	PRE					
42	.5HR					
42	1HR		•			
42	2HR					
42	3HR					
42	4HR					
42	6HR					
42	8HR					
42	10HR					
42	12HR					
43	ΑM					
44	AM					
45	AM					
48	AM		•			
51	AM					
54	AM					
57	AM					
72	AM					

Table 13k-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 15

Day	<u>Time</u>	QTc	Halo +	<u>Halo -</u>	Metab +	<u>Metab -</u>
1	PRE	401				
1	.5HR	388	•			
1	1HR	349				
1	2HR	395	23.9	19.6		
1	3HR	374	28.6	19.9		
1	4HR	395	44	26.9		15.7
1	6HR	397	43.7	23.9		
1	8HR	392	38.6	20.7		
1	10HR	388	31.9	14.1		
1	12HR	388	22.3			
2	PRE	399	13			
3 \	PRE	405	39.1	18.8		23.9
. 4	PRE	381	33.7	14		50.3
4	2HR	416	61.1	37.1		58.1
4	4HR	396	70.6	39.7	18	88.6
4	6HR	383	70.2	36.5	22.3	108
4	8HR	401	59.7	28.3	20.9	89.7
4	12HR	381	47.3	. 21		68.8
5	PRE	388	33.2	12.2		41
6	PRE	404	35.1	13	16.9	89
7	PRE	398	34.6	12.2	16.3	97.5
7	2HR	383	58.5	33.8	15.3	87.9
7	4HR	395	100	57.7	20.9	149
7	6HR	365	98.2	54.4	20	112
7	8HR	394	72.6	36.9		53.8
7	12HR	371	68.8	27.5		49.2
8	PRE	397	34.8	14.4		83.6
9	PRE	396	30.4	13.3		55.1
10	PRE	401	47.1	22.1	20	120
11	PRE	404	50.4	23.7	16.7	102
12	PRE	388	49.7	22.8	20.2	135
13	PRE	401	35.1	17.7	16.9	110
14	PRE	396	53.1	24.8	19.8	154
14	2HR	398	94.8	61.6	27.5	186
14	4HR	430	107	65.2	36.2	221
14	6HR	410	138	75.5	22.3	137
14	8HR	409	121	64.9	30.8	180
14	12HR	398	91.5	41.1	24.4	169

Table 13k-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 15

Day	Time	QTc	Halo +	Halo -	Metab +	<u>Metab -</u>
15	PRE	409	51.6	23.1	21.3	167
16	PRE	397	53.8	29.5	21.3	188
17	PRE	392	38.2	17		137
18	PRE	401	85.4	49.4	20.7	180
19	PRE	435	142	94.3	31.8	250
20	PRE	416	145	92.5	22.3	173
21 -	PRE	409	125	76.3	31.2	251
21	2HR	403	89.6	50.1	20.9	178
21	4HR	394	49.7	24.8	28.7	221
21	6HR	423	40.1	18.5	22.9	161
21	8HR	418	86.2	43.9	42	319
21 \	12HR	402	94.5	48.7	42	346
. 22	PRE		/			
25	PRE	407	77.9	34.5	33.1	332
29	PRE	404	75.4	36.5	36.4	342
32	PRE	406	76.1	35.8		182
33	PRE	393	90.5	44.8	20.2	242
36	PRE	410	100	54.1	31.2	375
39	PRE	392	108	56.8	18.8	199
42	PRE	414	151	86	52.3	514
42	.5HR	389	138	73.5	39.1	372
42	1HR	408	123	64.4	19.6	163
42	2HR	404	124	66.2	26.7	270
42	3HR	402	114	58.1	29.1	284
42	4HR	420	128	66.9	38.3	326
42	6HR	415	89.1	42.7	34.3	406
42	8HR	401	65.8	32	20.9	270
42	10HR	395	46.2	22.1	17.3	272
42	12HR	389	33	12.8		188
43	AM	399	26.2	e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la co		106
44	AM	347	31.5	12.4		72.2
45	AM	383	20.2			26.9
48	AM	432	22.1			
51	AM	397				
54	AM					
57	AM					
72	AM					
180	AM					

Table 13L-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 16

<u>Day</u>	<u>Time</u>	QTc	Halo +	Halo -	Metab +	Metab -
1	PRE	380				
1	.5HR	396				
1	1HR	393				
1	2HR	390	18.1	12.9		
1	3HR	400	38.7	25.9		
1	4HR	400	40.3	24.4		
1	6HR	394	21.7	11.1		
1	8HR	374	19.8			
1	10HR	400	20.1	10.2		16.6
1	12HR	400	20.6			19.5
2	PRE	392	11		•	18.5
3 、	PRE	382	18.9			49.1
4	PRE	399	28.5	13.6		78.1
4	2HR	395	51.2	30.4		85.1
4	4HR	396	94.1	54.3	18.7	132
4	6HR	399	68.6	37.2	18.2	99.5
4	8HR	401	55.7	28.6		77.5
4	12HR	401	46.9	23.4	22.7	128
5	PRE	403	35.2	16.6	17.6	123
6	PRE	404	42.7	20.7	29.3	200
7	PRE	405	53.1	24.1	36.7	267
7	2HR	404	83.3	50.3	35.6	238
7	4HR	401	153	87.3	24.7	157
7	6HR	400	189	105	20.7	146
7	8HR	399	128	66.8	34.7	214
7	12HR	407	87.3	43.7	35.6	254
8	PRE	406	49.1	23.4	27.6	226
9	PRE	405	57.5	26.1	32.7	256
10	PRE	400	55.4	24.9	41.6	335
11	PRE	408	58.5	27.9	31.6	292
12	PRE	397	57.1	28.7	31.6	290
13	PRE	411	67.5	29.4	33.3	317
14	PRE	402	64.8	27.9	32.5	334
14	2HR	416	73.8	38.7	36.5	354
14	4HR	403	107	57.6	52.2	462
14	6HR	404	132	68.9	55.9	473
14	8HR	403	90.9	46.8	48.7	430
14	12HR	400	101	44.2	48.7	430

Table 13L-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 16

<u>Day</u>	Time	QTc	<u>Halo +</u>	<u> Halo -</u>	Metab +	<u>Metab -</u>
15	PRE	403	81.8	35.1	49.6	561
16	PRE	411	94	40.9	51.9	588
17	PRE	404	97.7	38.6	43.3	521
18	PRE	391	110	58.3	43.9	587
19	PRE	421	219	125	45	548
20	PRE	414	215	120	45.6	532
21	PRE	410	152	80.8	68.7	715
21	2HR	411	151	69.6	51.6	492
21	4HR	400	91.5	39.2	37.6	552
21	6HR	420	85.9	36.1	44.2	569
21	8HR	426	69.8	30.7	34.7	393
21 \	12HR	434	138	66.9	41.6	510
22	PRE			55.5	41.0	510
25	PRE	424	152	68.4	47.9	497
29	PRE	427	242	115	73	594
32	PRE	438	87.7	39.7	28.2	335
33	PRE	420	108	47.8	31.9	375
36	PRE	407	90.5	41.2	32.2	344
39	PRE	403	120	63.3	32.2	381
42	PRE	433	208	114	47.9	524
42	.5HR	408	242	137	43.3	480
42	1HR	416	183	96.5	28.2	383
42	2HR	414	143	71.4	33	363
42	3HR	410	178	86.3	42.7	484
42	4HR	415	119	57.8	33.3	368
42	6HR	419	114	49.6	28.5	377
42	8HR	422	114	46.6	41	563
42	10HR					
42	12HR					
43	AM					
44	AM		a servere	, e r <sup>ee</sup>		
45	AM					
48	AM	399	21.1			38.9
51	ΑM	416				00.0
54	AM					
57	AM					
72	AM					
180	AM					

Table 13m-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 18

Day	Time	QTc	Halo +	Halo -	Metab +	<u>Metab -</u>
1	PRE	403				
1	.5HR	394				
1	1HR	400				•
1	2HR	409	24.1	20.5	28.4	
1	3HR	403	82.5	75.1	16.5	22.6
1	4HR	403	147	128	15.5	22.6
1	6HR	402	105	83.2	. 16.3	23.3
1	8HR	403	85.9	58.9	18.5	31.3
1	10HR	409	76.2	49.3	15.5	32.7
1	12HR	402	61.2	38.3	16.3	28.9
2	PRE	409	60.6	26.6	20.4	95.7
3	PRE	411	29.3	15		24.8
4	PRE	416	67.1	31.1	23.4	124
4	2HR	412	74.3	42.3	19.5	116
4	4HR	413	116	74.2	25.4	138
4	6HR	441	156	94.3	23.2	126
4	8HR	411	114	64.4	19.5	91.6
4	12HR	415	95.9	48	18.9	96.8
5	PRE	422	60.5	27.8	25.6	135
6	PRE	415	66	32.3	31.2	190
7	PRE	421	114	56.4	27.2	182
7	2HR	410	82.4	45.2	26	153
7	4HR	438	224	158	33.4	213
7	6HR	435	226	153	28.2	191
7	8HR	422	87.4	41.9	24.8	207
7	12HR	421	141	78.4	26	153
8	PRE	418	87.9	41	28.6	204
9	PRE	451	82.2	35.8	27	235
10	PRE	422	91.2	41.2	32.8	235
11	PRE	416	85.4	.37.1	39	239
12	PRE	419	103	43.4	38.2	299
13	PRE	440	85	37.1	26.4	265
14	PRE	430	87.9	36.8	28.4	267
14	2HR	425	171	102	35	222
14	4HR	428	166	107	37.6	293
14	6HR	425	149	95.6	30.2	306
14	8HR	420	118	67.1	26.4	267
14	12HR	428	125	62.6	33.8	218

Table 13m-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 18

<u>Day</u>	Time	QTc	Halo +	<u>Halo -</u>	Metab +	<u>Metab -</u>
15	PRE	452	86.5	35.4	28.4	216
16	PRE	432	81.3	33.9	28.2	219
17	PRE	426	90.8	36.8	27.8	202
18	PRE	414	113	57.9	31.8	254
19	PRE	437	147	82.6	23.4	245
20	PRE	446	186	102	31.4	227
21	PRE	428	166	83.1	30.8	253
21	2HR	428	116	52.7	23.2	211
21	4HR	431	93	37.1	27.6	197
21	6HR	450	56.7	24.7	17.7	212
21	8HR	426	70.1	32.7	19.7	182
21 、	12HR	453	157	87.4	29.8	173
22	PRE					
25	PRE		/			
29	PRE					
32	PRE	475	213	112	39.2	384
33	PRE	462	215	127	37.8	389
36	PRE	456	201	117	37.8	377
39	PRE	434	209	159	38.4	438
42	PRE	464	219	157	33.8	394
42	.5HR	454	293	204	33.6	393
42	1HR	420	311	198	43.3	402
42	2HR	415	260	166	37.8	352
42	3HR	426	237	133	45.3	335
42	4HR	428	247	128	32.8	353
42	6HR	423	165	80	31.8	294
42	8HR	445				
42	10HR	440	110	47.3	18.1	273
42	12HR		54.8	20.7	17.7	291
43	AM	424	58.9	21.7		215
44	AM	419	42.3	20.2	•	141
45	AM	415	42.7	17.3		73.2
48	AM	416	27.7	14		43.3
51	AM					
54	AM					
57	AM					
72	AM					
180	AM					

Table 13n-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 19

<u>Day</u>	Time	QTc	Halo +	Halo -	Metab +	<u>Metab -</u>
1	PRE	395				
1	.5HR	377				
1	1HR	366	26.6	23.2		
1	2HR	389	40.7	34.7	18.4	
1	3HR	404	48	34.5	15.8	
1	4HR	418	40.9	27.8		
1	6HR	402	60.4	37.4		17.2
1	8HR	402	37.8	20.8		15.3
1	10HR	405	45.2	24.7		15.3
1	12HR	404	34.3	19.2		20.1
2	PRE	402	26.6	13.4	22	16.4
3	PRE	422	44.7	26.9		33.6
4	PRE	410	50.4	29	15.5	40.2
4	2HR	404	65	43.1	23.1	60
4	4HR	409	151	115	23.6	62.2
4	6HR	410	145	107		65.6
4	8HR	418	110	77.9	23.1	77
4	12HR	404	66	44.2		58.5
5	PRE	404	50.5	31.4		66.9
6	PRE	404	52.5	31.6	15.5	88.6
7	PRE	403	53.6	27.8	15.8	99.5
7	2HR		104	78.8		116
7	4HR	403	155	121	17.2	115
7	6HR	413	130	99.7		107
7	8HR	421	87.8	67.9		49.5
7	12HR	408	81.9	53		68
8	PRE	403	61	46.6	15.3	120
9	PRE	409	44.5	32.1	15.5	119
10	PRE	406	64	45.2	27.7	157
11	PRE	407	57.5	37.7	20.5	147
12	PRE	408	60.9	44.1	25.3	187
13	PRE	393	57.8	37.7	22.2	176
14	PRE	416	59.9	35.7	23.9	222
14	2HR		98.1	68.9	26	242
14	4HR		210	131	17.7	223
14	6HR		197	120	18.9	151
14	8HR		164	103	24.8	179
14	12HR		121	65.7		110

Table 13n-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 19

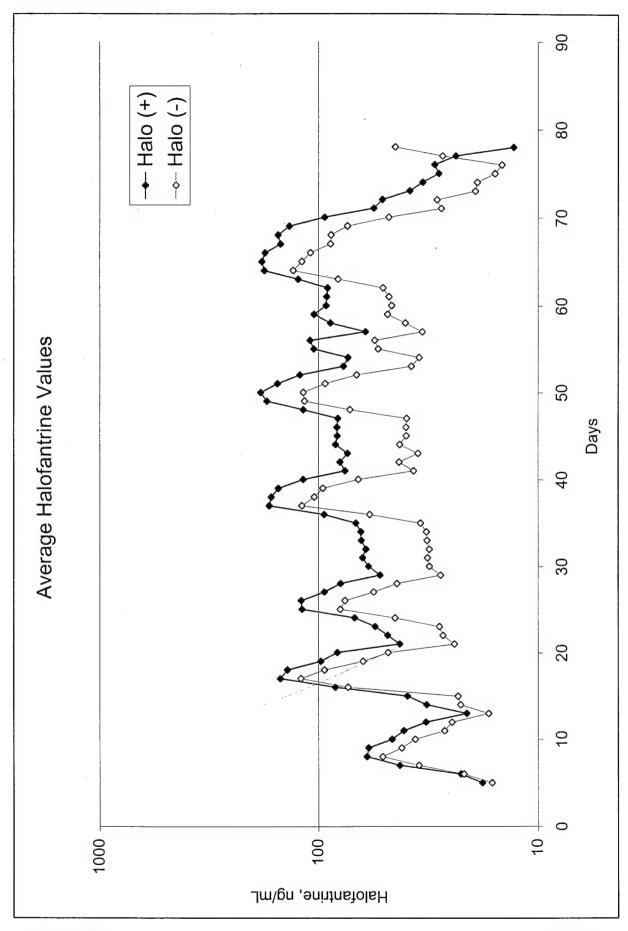
<u>Day</u>	<u>Time</u>	QTc	Halo +	<u> Halo -</u>	Metab +	<u>Metab</u> -
15	PRE	411	86.7	45.6		136
16	PRE	408	110	59.5		127
17	PRE	396	89.9	66.8	20.1	183
18	PRE	404	51.1	41.9		138
19	PRE	407	123	88.8		109
20	PRE	405	76.3	73.7	26.2	248
21	PRE	405	77.9	59.4	34.3	285
21	2HR	405	43.4	32.9	17	166
21	4HR	410	33	22.6	19.8	186
21	6HR	408	29.6	17.8		188
21	8HR	411	37.3	24.9	17.4	231
21	12HR	442	40.1	27.1	18.9	217
22 `	PRE		52	33.7	21.7	278
25	PRE	420	49.6	32.4	21.2	231
29	PRE	401	55.2	35.5	29.3	309
32	PRE	440	44.9	30		179
33	PRE	409	45.9	29		200
36	PRE	398	56.4	38.1	21.7	253
39	PRE	405	74.2	55	19.3	259
42	PRE	416	105	77	28.1	298
42	.5HR	406	106	70.3	23.9	278
42	1HR	403	149	87.6	33.1	293
42	2HR	410	101	63.5	33.8	271
42	3HR	403	82.2	51.4	28.4	286
42	4HR	410	80.6	46.3	23.1	268
42	6HR	406	61.5	35.8	19.1	247
42	8HR	398	40.8	22.1	16.7	214
42	10HR	393	32	17.6	18.6	236
42	12HR	406	27.8	11.8		72.5
43	AM	415	19.5	10.5		97.6
44	AM	367	15.8	10.2		50
45	AM	401	13.1	11		28
48	AM	403				
51	AM					
54	AM					
57	AM					
72	AM					
180	AM					

Table 13o-1: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 20

<u>Day</u>	Time	QTc	Halo +	<u>Halo -</u>	Metab +	<u>Metab -</u>
1	PRE	422				
1	.5HR	392				
1	1HR	415				
1	2HR	404				
1	3HR	402	14.8	13.8		18.2
1	4HR	402	24.2	18.1		24.6
1	6HR	398	19.5	12.9		29.4
1	8HR	398	12.7			29
1	10HR	392				30.3
1	12HR	402				31.7
2	PRE	4368			47.5	48.7
3	PRE	383				48
4	PRE	397	15	11.5	23.6	105
4	2HR	422	22.3	20.2	24	92.7
4	4HR	404				106
4	6HR	403				26
4	8HR	413	36	26	32.3	139
4	12HR	416	30.2	23.4	26	108
5	PRE	378	17.6	12.1	23.1	113
6	PRE	411	19.2	15.8	28.7	128
7	PRE	407	20.1	15.4	22.1	147
7	2HR	411	30	23.9	29.1	159
7	4HR	413	82.2	68.7	181	201
7	6HR	408	39.5	32.9	28.5	155
7	8HR	400	38.2	28.7	31.4	159
7	12HR	405	30	17.7	25.8	131
8	PRE	411	24.2	20.5	28.7	169
9	PRE	407	23.2	20	29.4	169
10	PRE	413	28.2	17.9	26	184
11	PRE	409	23.1	17.9	31.8	184
12	PRE	425	20.4	14.7	29.4	183
13	PRE	415	29.3	23	34.1	190
14	PRE	411	29.7	22	26.9	183
14	2HR	405	28.2	20.5	22.5	178
14	4HR	410	47.1	36.9	40.7	176
14	6HR	410	40.5	29	37	205
14	8HR	426	55.2	42.1	36	209
14	12HR	424	50	30.8	26.5	171

Table 13o-2: QTc Intervals and Halofantrine / Metabolite Concentrations for Subject 20

<u>Day</u>	Time	QTc	<u>Halo +</u>	Halo -	Metab +	<u>Metab</u> -
15	PRE	402				20
16	PRE	409	32.9	23.2	21.1	162
17	PRE	410	36.5	20.4	21.9	134
18	PRE	411	41.6	33.8	27.9	176
19	PRE	417	83.8	59.7	33.3	192
20	PRE	417	51.7	34.8	26.5	163
21	PRE	432	56	37.3	25.6	170
21	2HR	416	45.6	30.4	31.	154
21	4HR	424	19.2	13.1	20.7	153
21	6HR	415	40.8	24.6	18.6	115
21	8HR	448	78.4	57.1	39.1	201
21、	12HR	426	41.1	26	49	329
22	PRE		35.9	22.5	42	264
25	PRE	427	36.9	18.1	53.1	420
29	PRE	421	22.4	14.4	43	385
32	PRE	438	33.8	17	28.5	304
33	PRE	437	27	17.2	33	330
36	PRE	425	40.8	24.8	40.9	389
39	PRE	428	35.7	26.4	38.7	346
42	PRE	442	71	57.5	49.3	424
42	.5HR	442	66.1	50.2	45.9	416
42	1HR	435	80.3	53.4	41.1	386
42	2HR	420	63.6	42.8	45.9	429
42	3HR	416	57.3	37.3	42.7	383
42	4HR	425	49.5	37.7	41.6	304
42	6HR	414	34.3	22.3	33.2	309
42	8HR	411	21.7	14.2	31.4	283
42	10HR	411	17.4		24.2	309
42	12HR	412				159
43	AM	414		e de la companya de l		117
44	AM	407				
45	AM	382			34.8	51.9
48	AM	409	18.9		31.9	48.8
51	AM		12.9		29.4	64
54	AM					
57	AM					
72	AM					
180	AM					



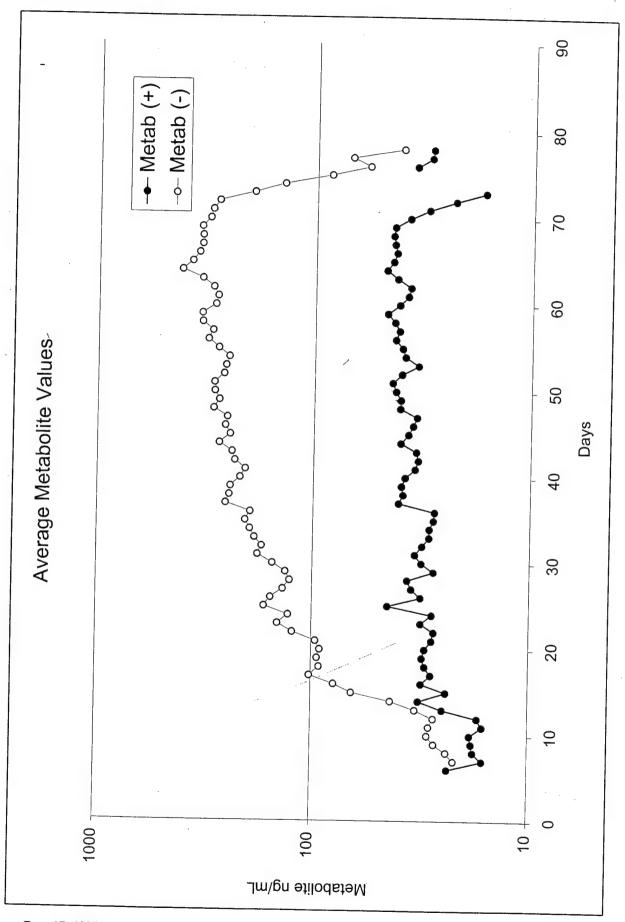
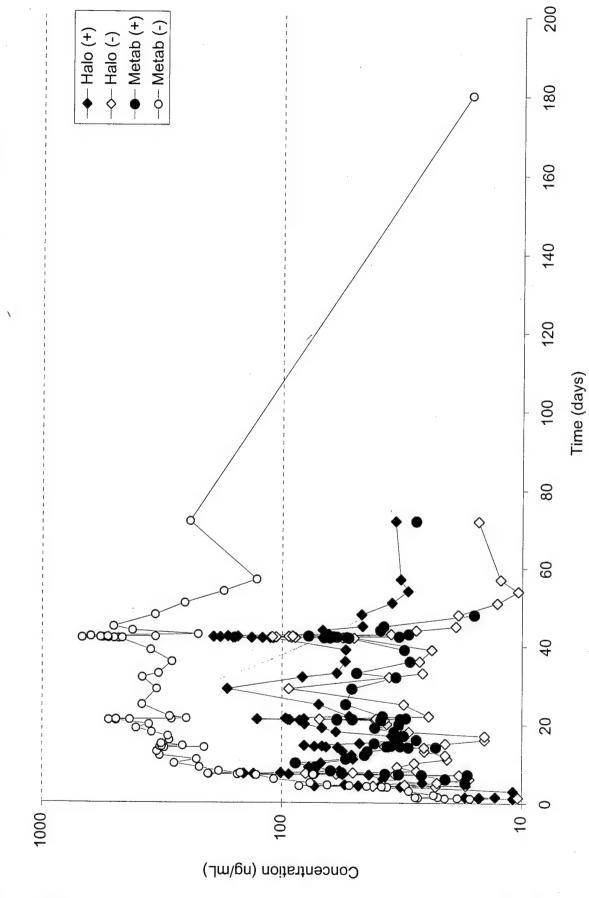


Figure 55a: Halofantrine and Metabolite Concentrations for Subject 01



200 -•- Metab (+) -0- Metab (-) → Halo (+) →- Halo (-) 180 Figure 55b: Halofantrine and Metabolite Concentrations for Subject 02 160 140 120 Time (days) 100 80 9 40 00x03x 20 10 1000 100 Concentration (ng/mL)

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200 ●- Metab (+) -0- Metab (-) ← Halo (+) ->- Halo (-) 180 Figure 55c: Halofantrine and Metabolite Concentrations for Subject 04 160 140 120 100 80 9 40 20 10 100 1000 Concentration (ng/mL)

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Time (days)

200 — Metab (+) -O- Metab (-) ← Halo (+) -->-- Halo (-) 180 Figure 55d: Halofantrine and Metabolite Concentrations for Subject 05 160 140 120 Time (days) 100 80 9 40 20 1000 100 Concentration (ng/mL)

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200 ---- Metab (+) -0- Metab (-) ─ Halo (+) --<-- Halo (-) 180 Figure 55e: Halofantrine and Metabolite Concentrations for Subject 07 160 140 120 Time (days) 100 80 60 40 20 0 1000 100 Concentration (ng/mL)

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-o- Metab (-) Figure 55f: Halofantrine and Metabolite Concentrations for Subject 08 Time (days) Concentration (ng/mL)

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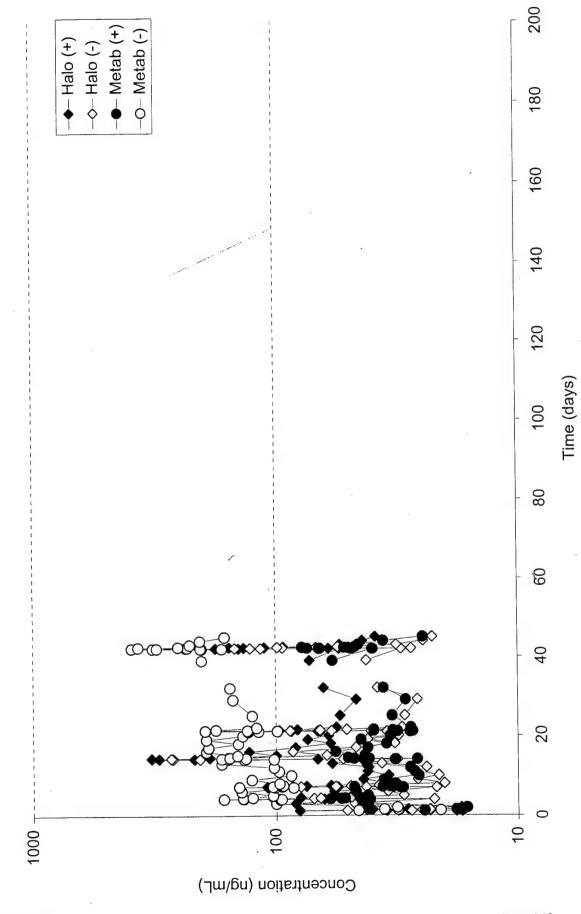
200 ---- Metab (+) -o- Metab (-) ⊢ Halo (+) -->- Halo (-) 180 Figure 55g: Halofantrine and Metabolite Concentrations for Subject 09 160 140 120 Time (days) 100 80 60 40 20 1000 100 Concentration (ng/mL)

200 ——— Metab (+) -o- Metab (-) -- Halo (+) -->- Halo (-) 180 Figure 55h: Halofantrine and Metabolite Concentrations for Subject 10 160 140 120 100 80 9 40 20 0 10 1000 100 Concentration (ng/mL)

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Time (days)

Figure 55I: Halofantrine and Metabolite Concentrations for Subject 11



200 ● Metab (+) -0- Metab (-) → Halo (+) --<-- Halo (-) 180 Figure 55j: Halofantrine and Metabolite Concentrations for Subject 14 160 140 120 100 80 60 40 20 100 1000 Concentration (ng/mL)

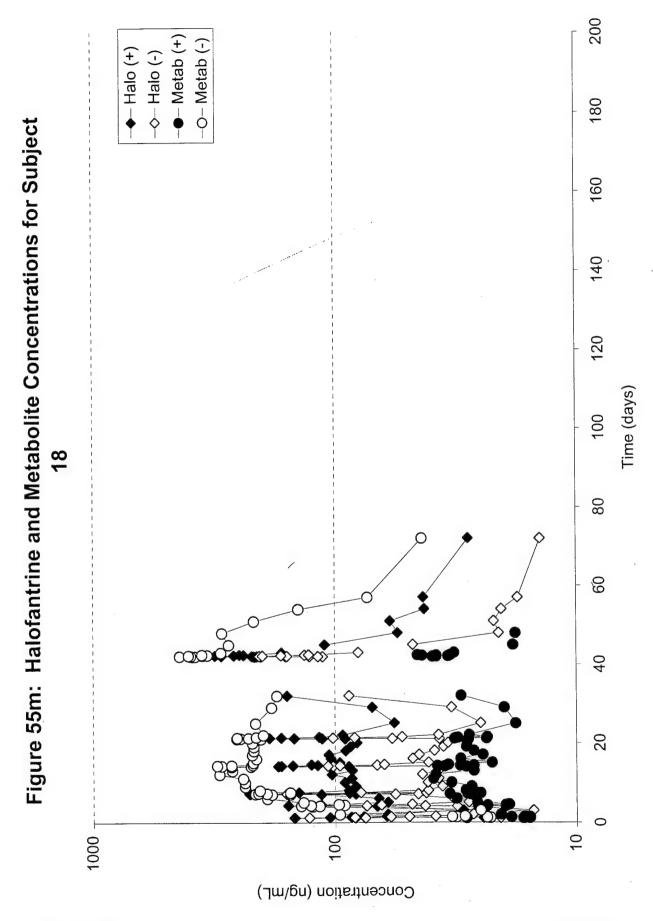
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200 ——— Metab (+) -o- Metab (-) – Halo (+) -->-- Halo (-) 180 Figure 55k: Halofantrine and Metabolite Concentrations for Subject 15 160 140 120 Time (days) 100 80 60  $\Diamond$ 40 20 0 10 100 1000 Concentration (ng/mL)

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200 → Metab (+) -o- Metab (-) ► Halo (+) ->- Halo (-) 180 Figure 55L: Halofantrine and Metabolite Concentrations for Subject 16 160 140 120 Time (days) 100 80 0 9 40 20 10 1000 100 Concentration (ng/mL)



200 ——— Metab (+) -- O-- Metab (-) – Halo (+) -->- Halo (-) 180 Figure 55n: Halofantrine and Metabolite Concentrations for Subject 19 160 140 120 100 80 90 40 20 0 10 1000 100 Concentration (ng/mL)

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Time (days)

Figure 550: Halofantrine and Metabolite Concentrations for Subject 20

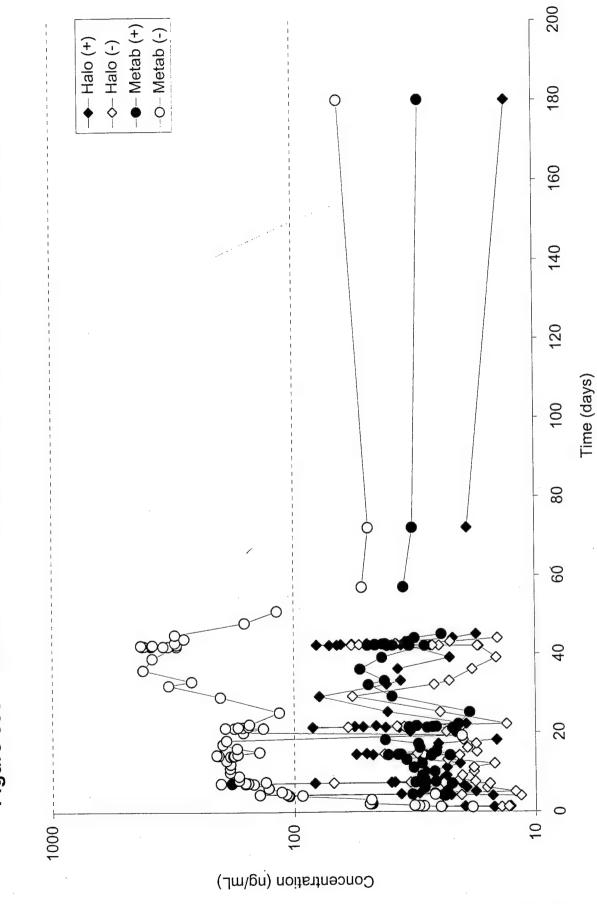
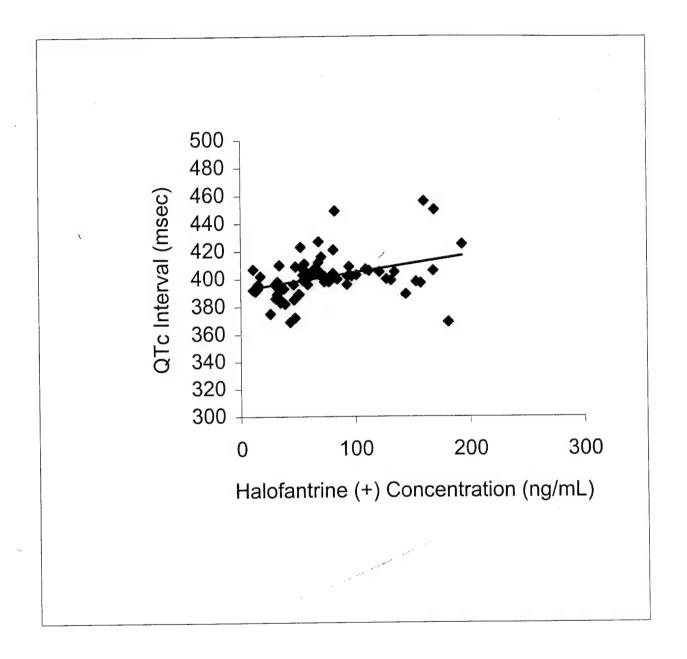


Figure 56a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 01



QTc = 392.1 + 0.1281 \* Halo(+)

Correlation Coeficient (r) = 0.361

Figure 56b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 01

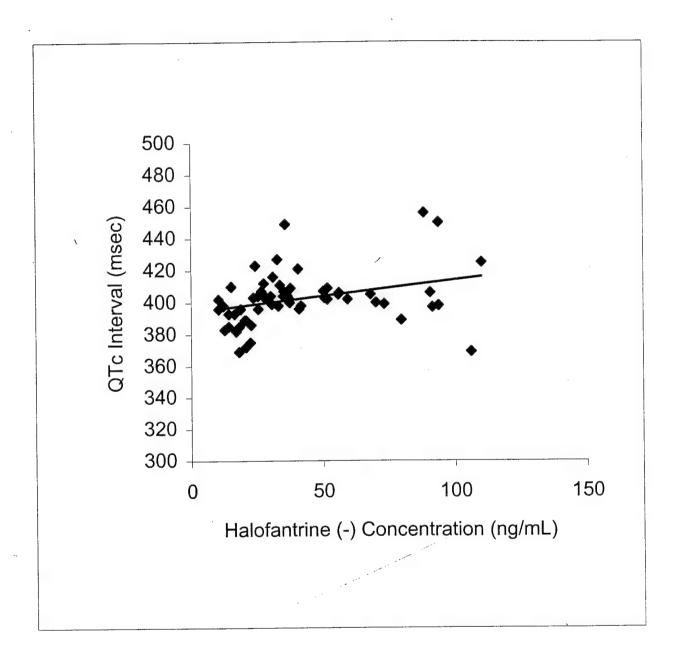
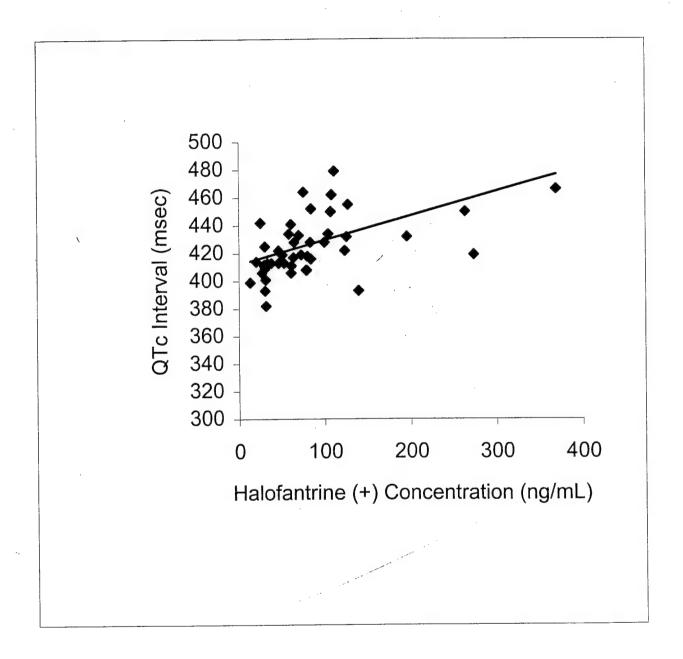


Figure 57a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 02



QTc = 412.2 + 0.1748 \* Halo(+)

Correlation Coeficient (r) = 0.511

Figure 57b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 02

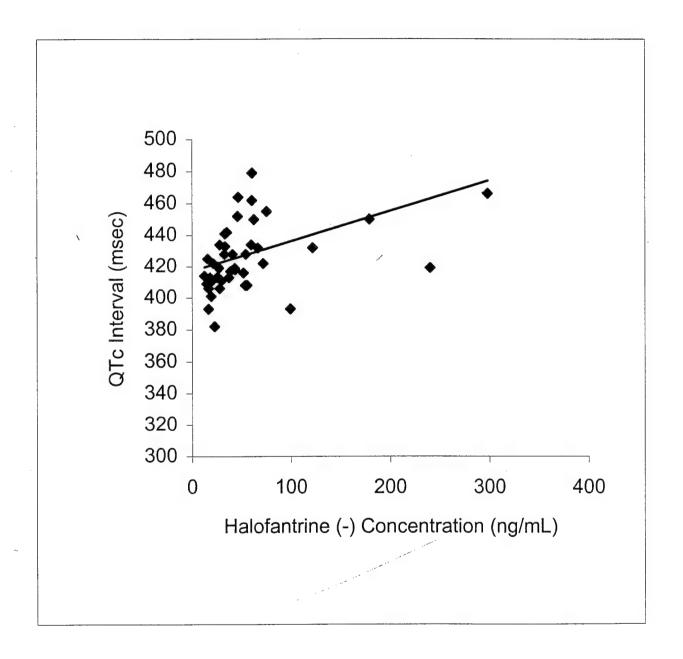
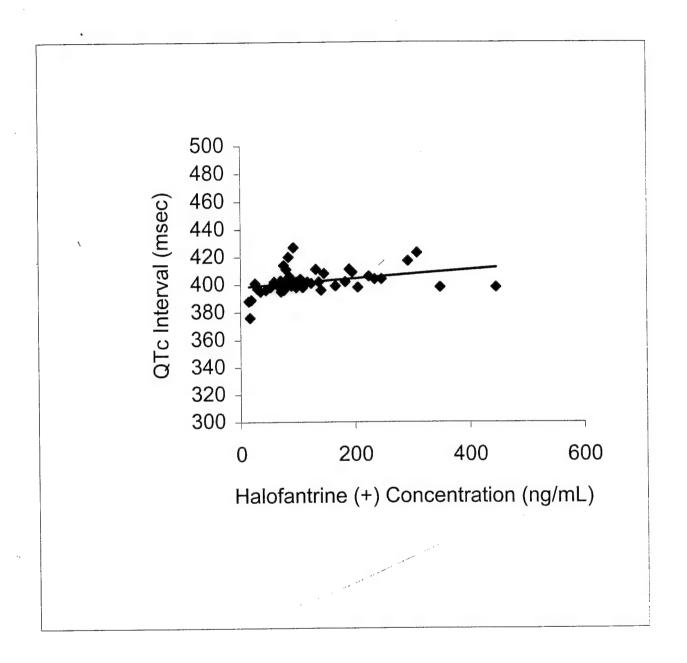


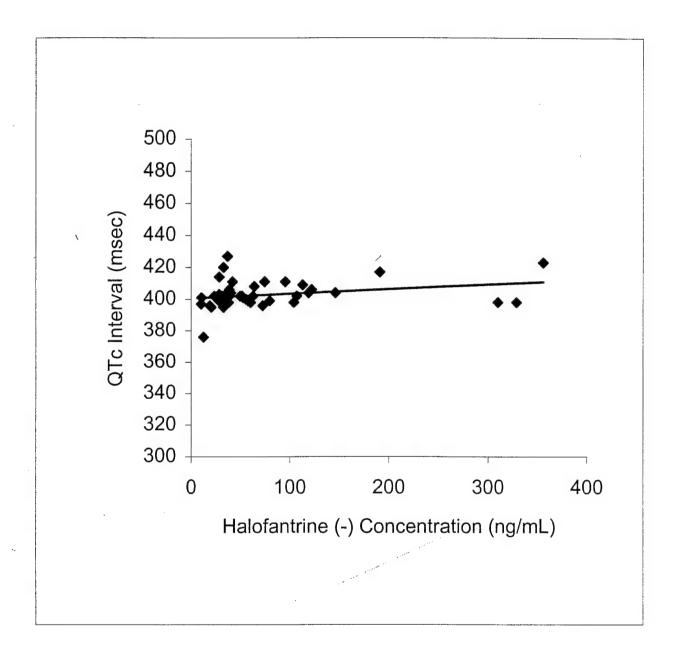
Figure 58a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 04



QTc = 398.2 + 0.0318 \* Halo(+)

Correlation Coeficient (r) = 0.334

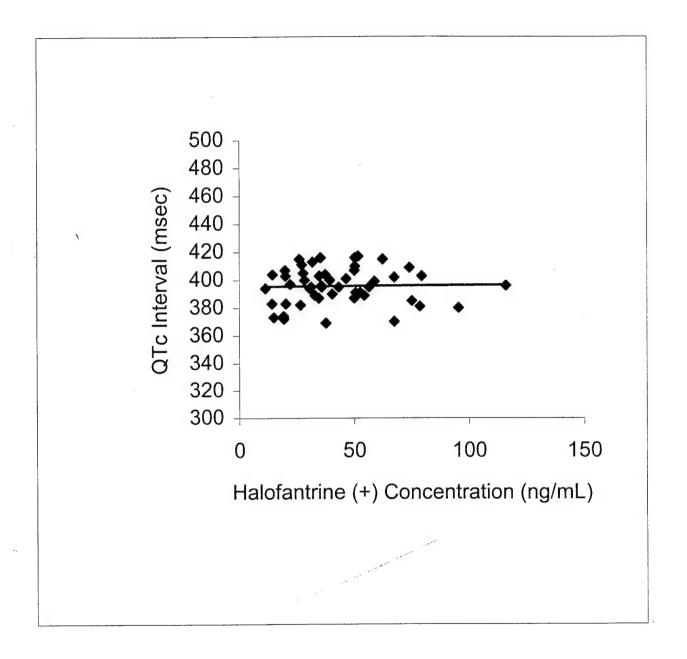
Figure 58b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 04



QTc = 400.6 + 0.0287 \* Halo(-)

Correlation Coeficient (r) = 0.272

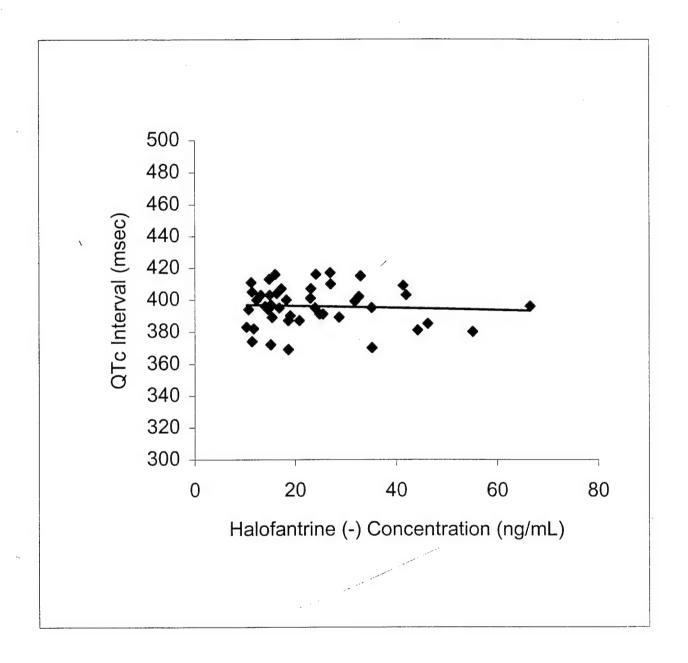
Figure 59a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 05



QTc = 395.3 + 0.0119 \* Halo(+)

Correlation Coeficient (r) = 0.021

Figure 59b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 05

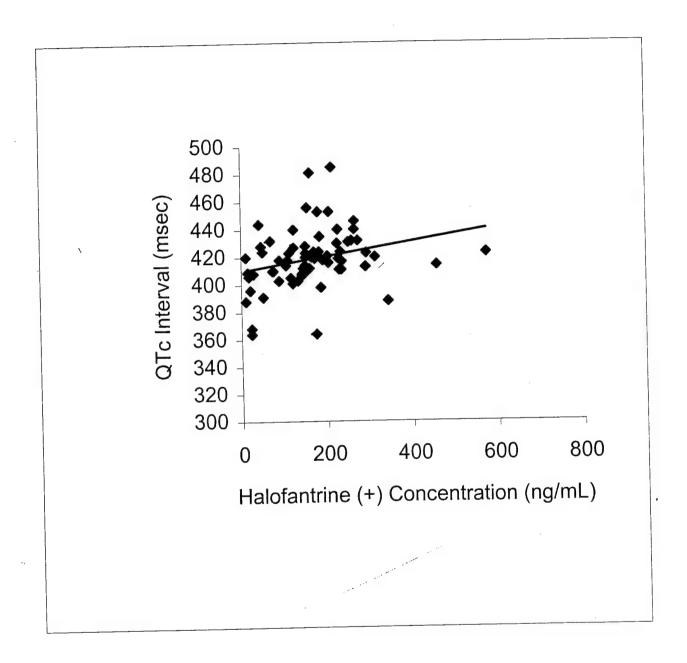


QTc = 397.5 + -0.0663 \* Halo(-)

Correlation Coeficient (r) = -0.067

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Figure 60a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 07



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Figure 60b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 07

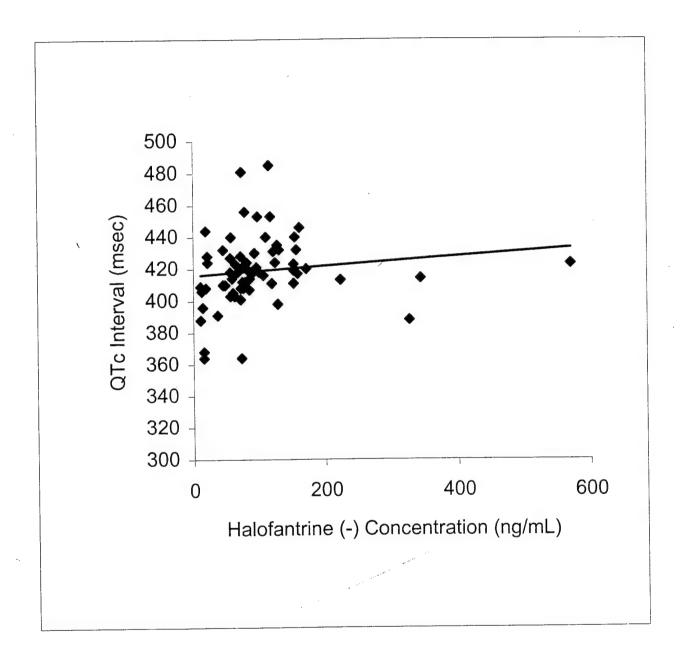
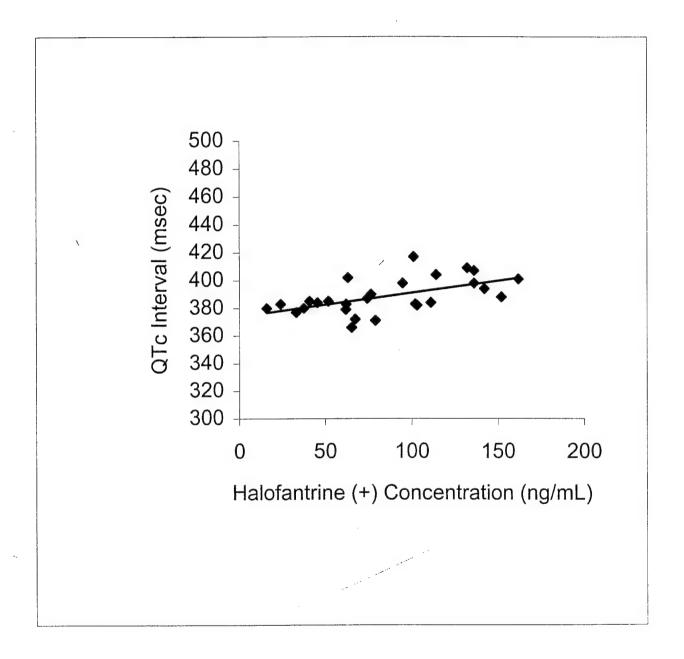


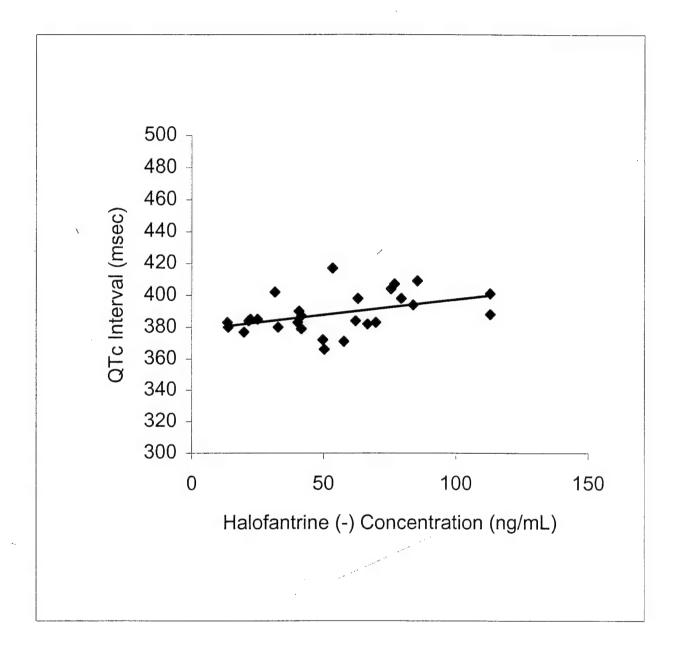
Figure 61a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 08



QTc = 373.9 + 0.1718 \* Halo(+)

Correlation Coeficient (r) = 0.569

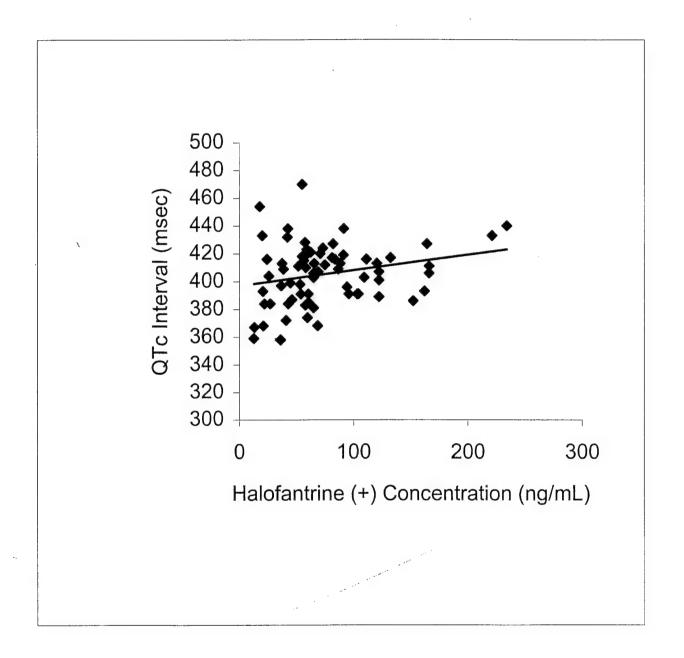
Figure 61b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 08



QTc = 378.2 + 0.1927 \* Halo(-)

Correlation Coeficient (r) = 0.429

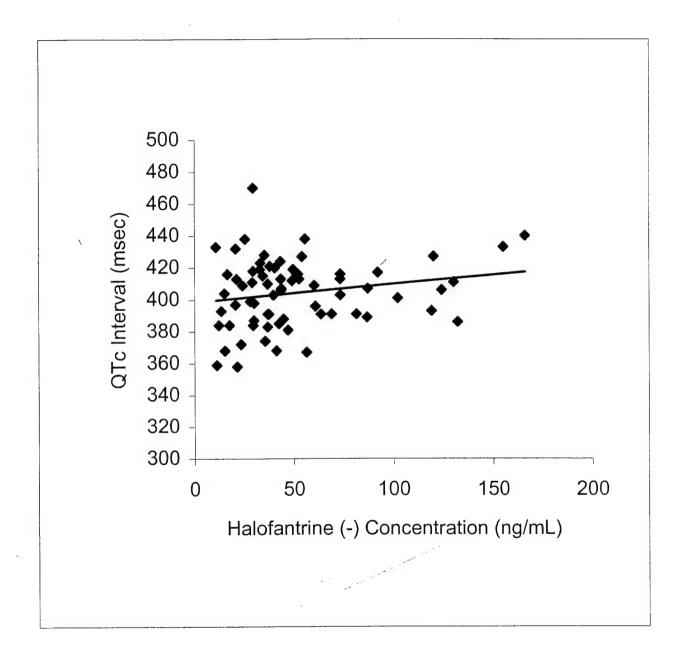
Figure 62a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 09



QTc = 397.1 + 0.1109 \* Halo(+)

Correlation Coeficient (r) = 0.238

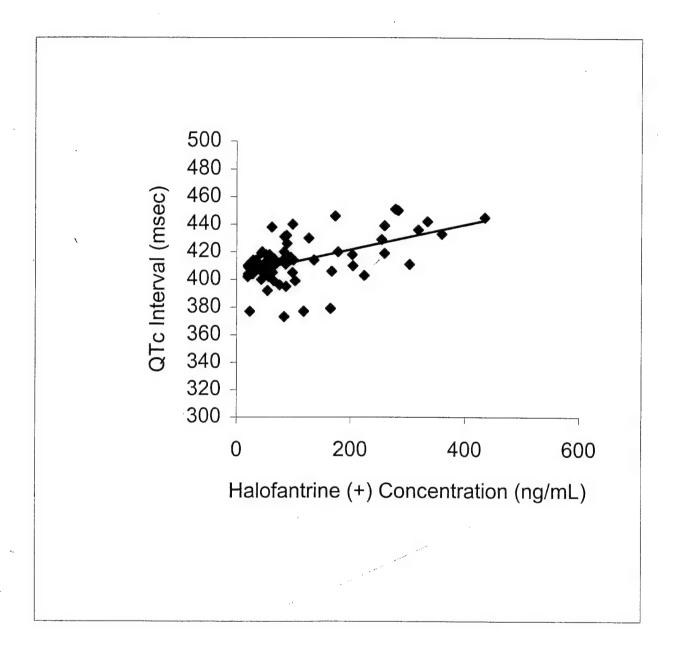
Figure 62b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 09



QTc = 398.6 + 0.1130 \* Halo(-)

Correlation Coeficient (r) = 0.189

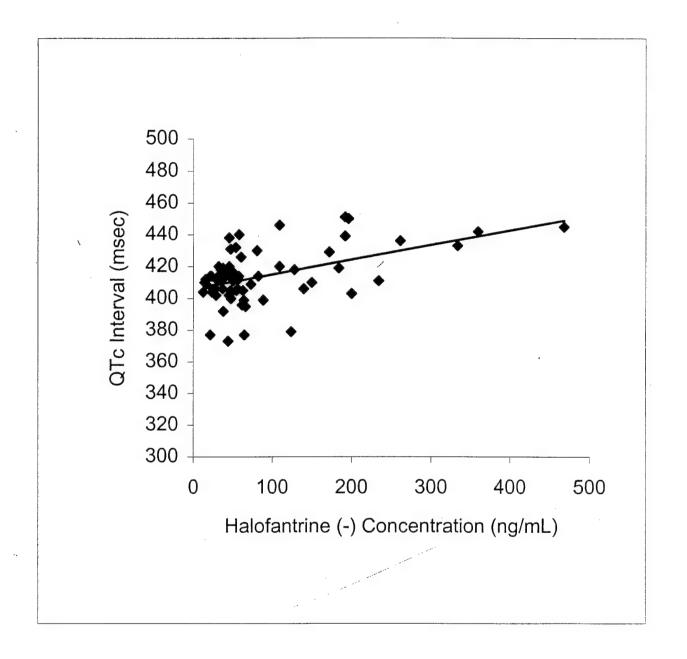
Figure 63a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 10



QTc = 403.6 + 0.0903 \* Halo(+)

Correlation Coeficient (r) = 0.525

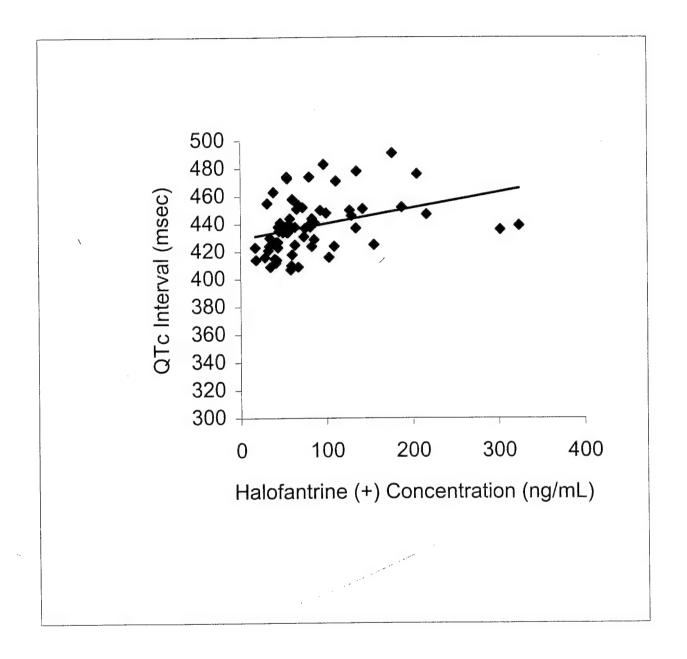
Figure 63b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 10



QTc = 405.9 + 0.0920 \* Halo(-)

Correlation Coeficient (r) = 0.487

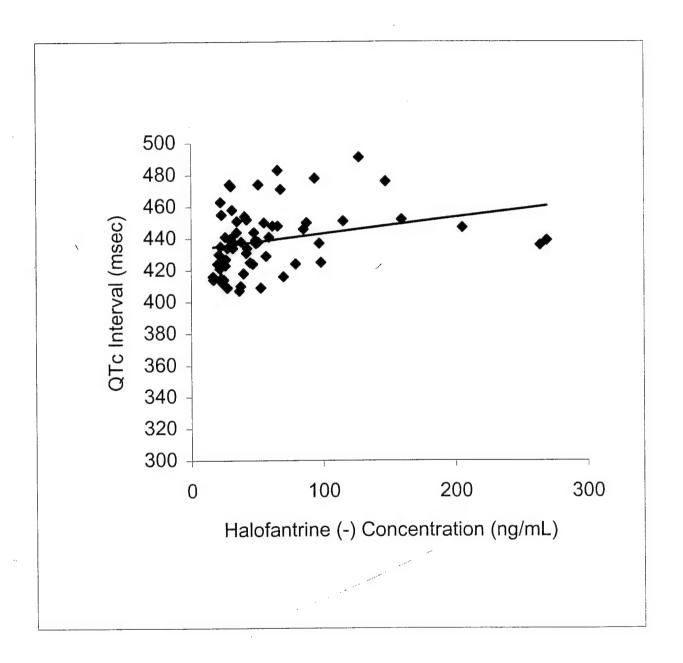
Figure 64a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 11



QTc = 429.4 + 0.1126 \* Halo(+)

Correlation Coeficient (r) = 0.339

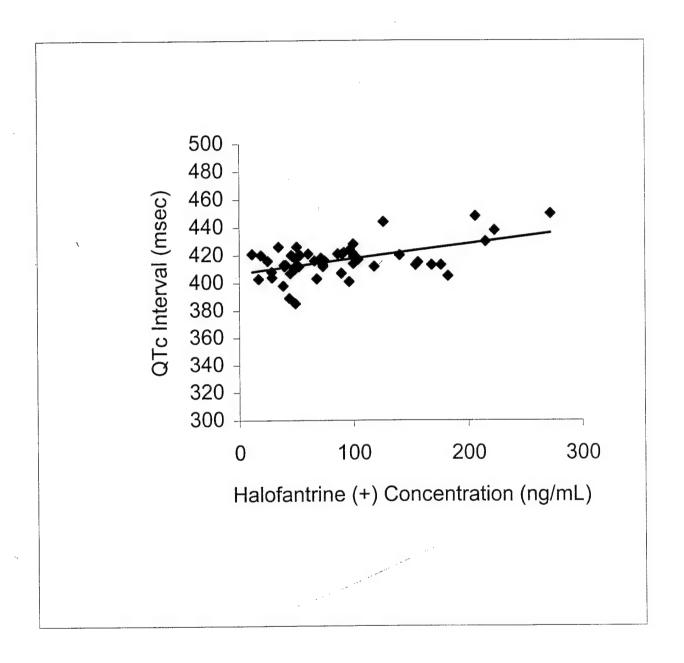
Figure 64b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 11



QTc = 433.0 + 0.1025 \* Halo(-)

Correlation Coeficient (r) = 0.268

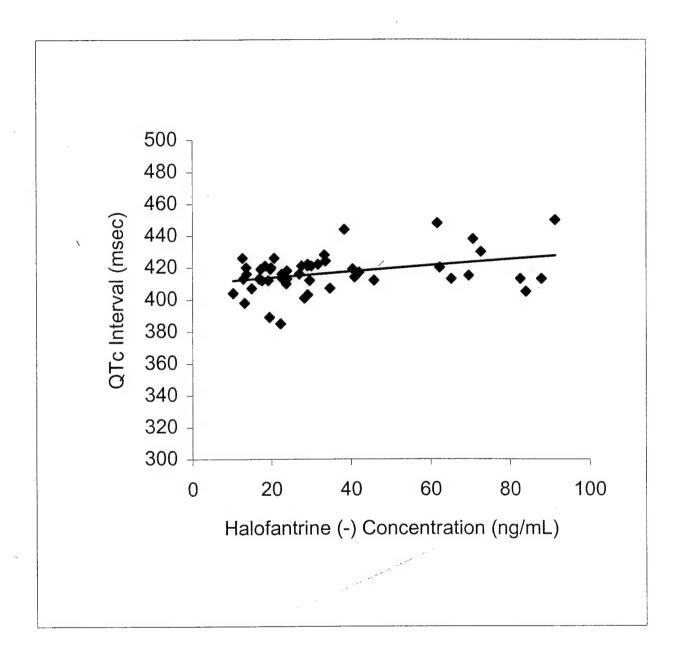
Figure 65a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 14



QTc = 407.0 + 0.1075 \* Halo(+)

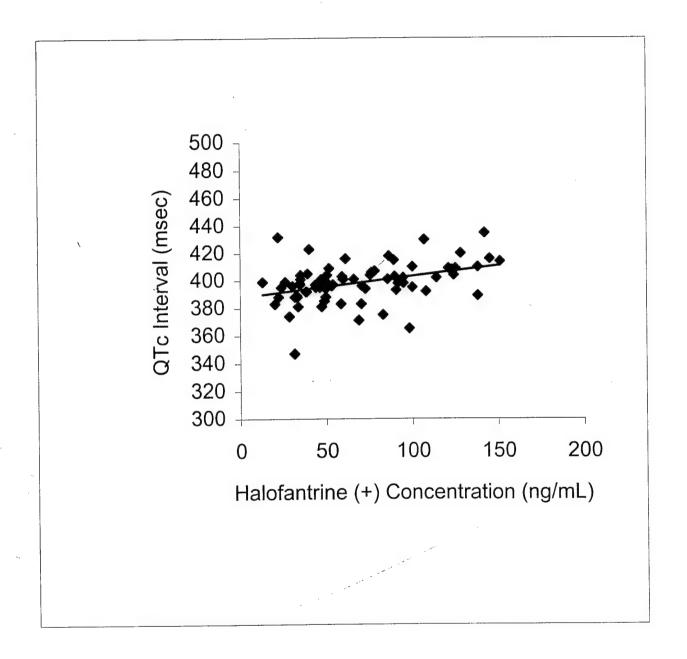
Correlation Coeficient (r) = 0.522

Figure 65b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 14



$$QTc = 409.9 + 0.1938 * Halo(-)$$

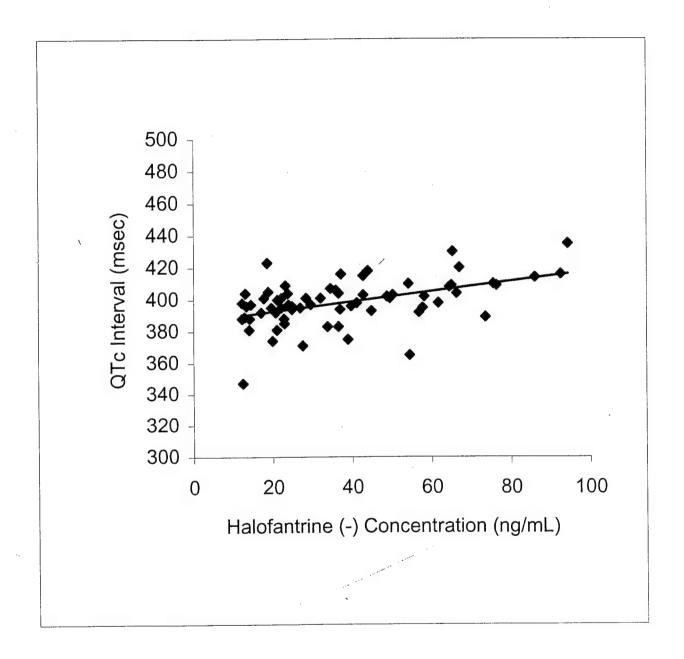
Figure 66a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 15



QTc = 387.9 + 0.1539 \* Halo(+)

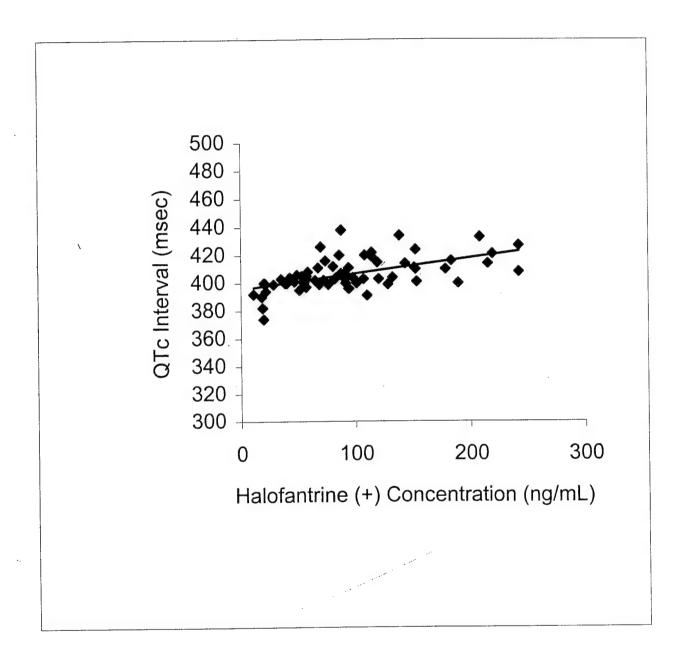
Correlation Coeficient (r) = 0.379

Figure 66b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 15



$$QTc = 386.2 + 0.3180 * Halo(-)$$

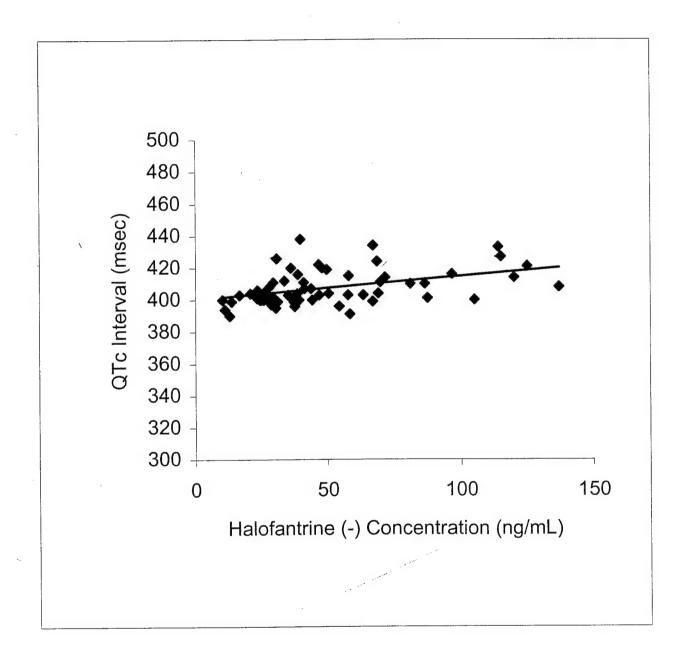
Figure 67a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 16



QTc = 395.7 + 0.1125 \* Halo(+)

Correlation Coeficient (r) = 0.555

Figure 67b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 16

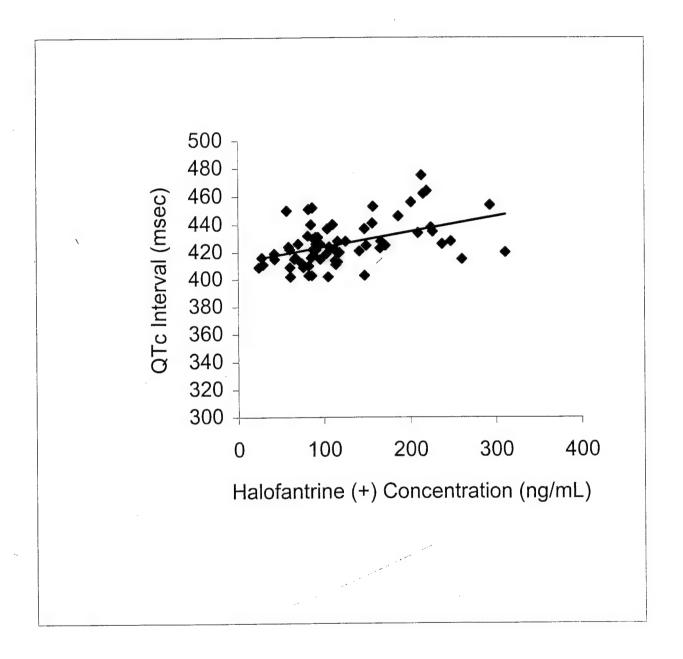


QTc = 400.4 + 0.1452 \* Halo(-)

Correlation Coeficient (r) = 0.415

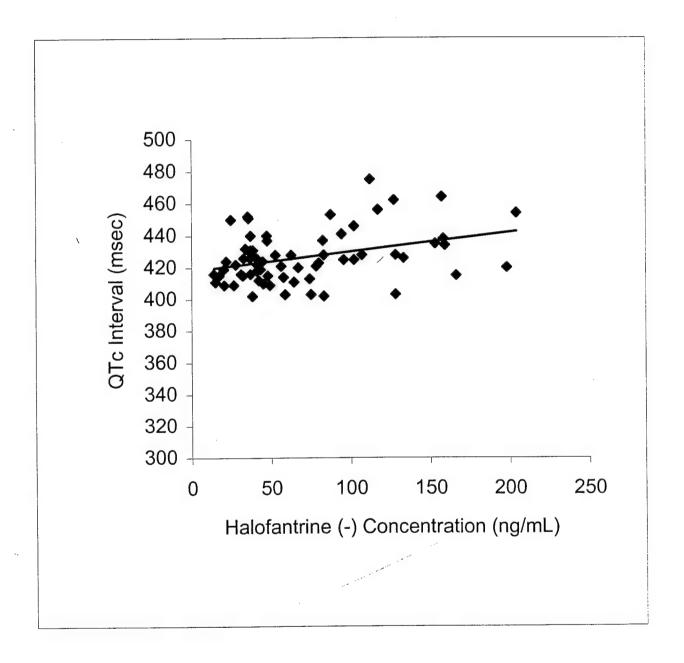
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Figure 68a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 18



$$QTc = 412.8 + 0.1112 * Halo(+)$$

Figure 68b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 18

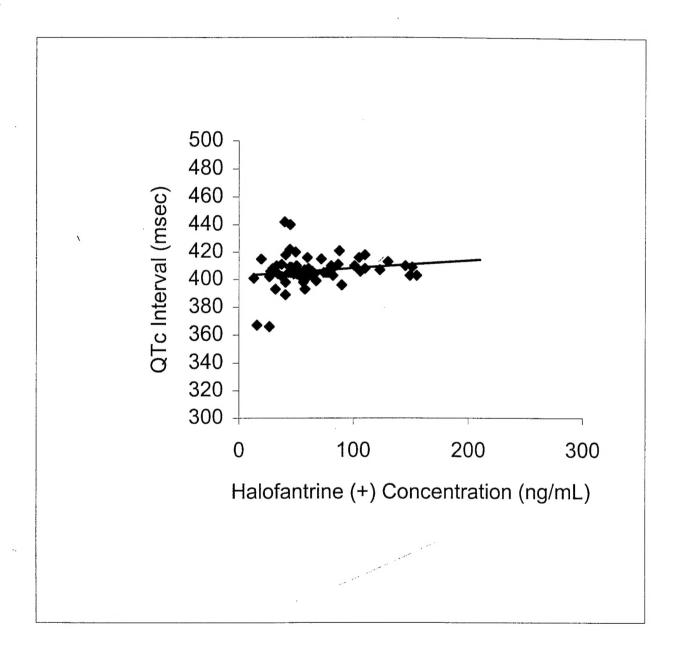


QTc = 418.1 + 0.1203 \* Halo(-)

Correlation Coeficient (r) = 0.349

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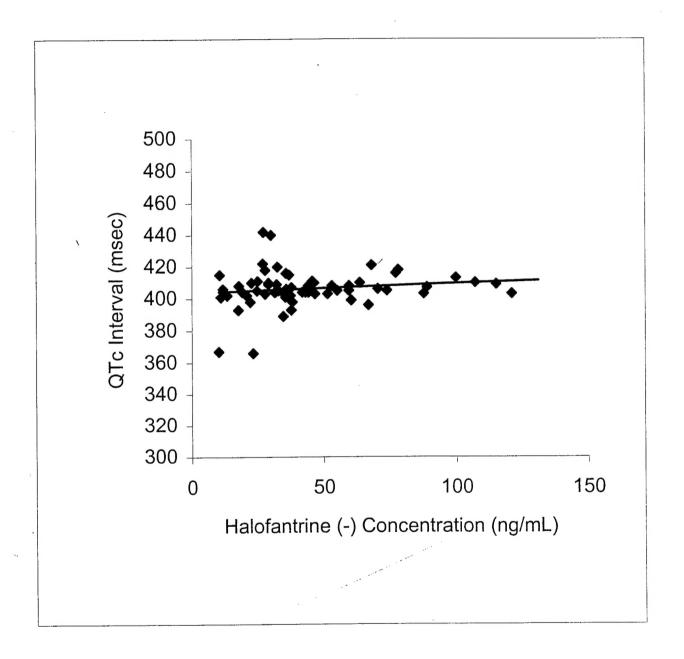
Figure 69a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 19



QTc = 402.6 + 0.0566 \* Halo(+)

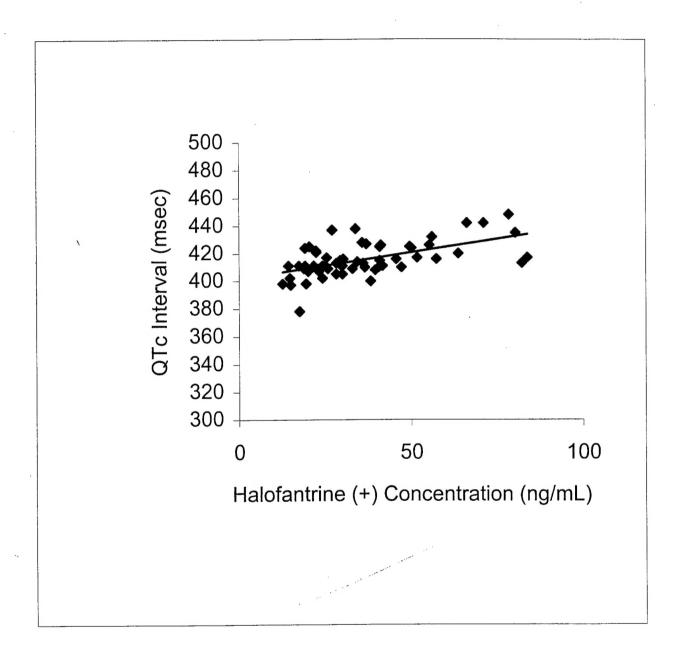
Correlation Coeficient (r) = 0.168

Figure 69b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 19



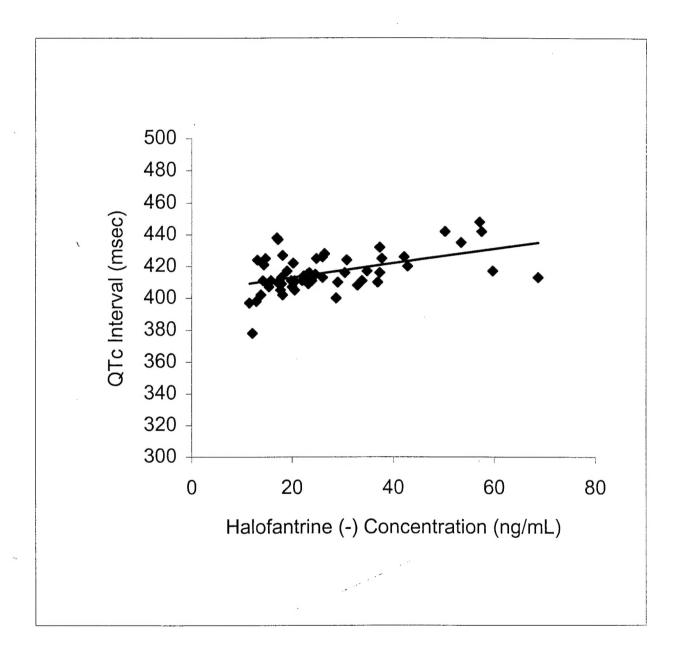
$$QTc = 403.8 + 0.0583 * Halo(-)$$

Figure 70a: QTc Intervals vs. Halofantrine (+) Concentration for Subject 20



$$QTc = 401.6 + 0.3849 * Halo(+)$$

Figure 70b: QTc Intervals vs. Halofantrine (-) Concentration for Subject 20



$$QTc = 404.0 + 0.4512 * Halo(-)$$

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